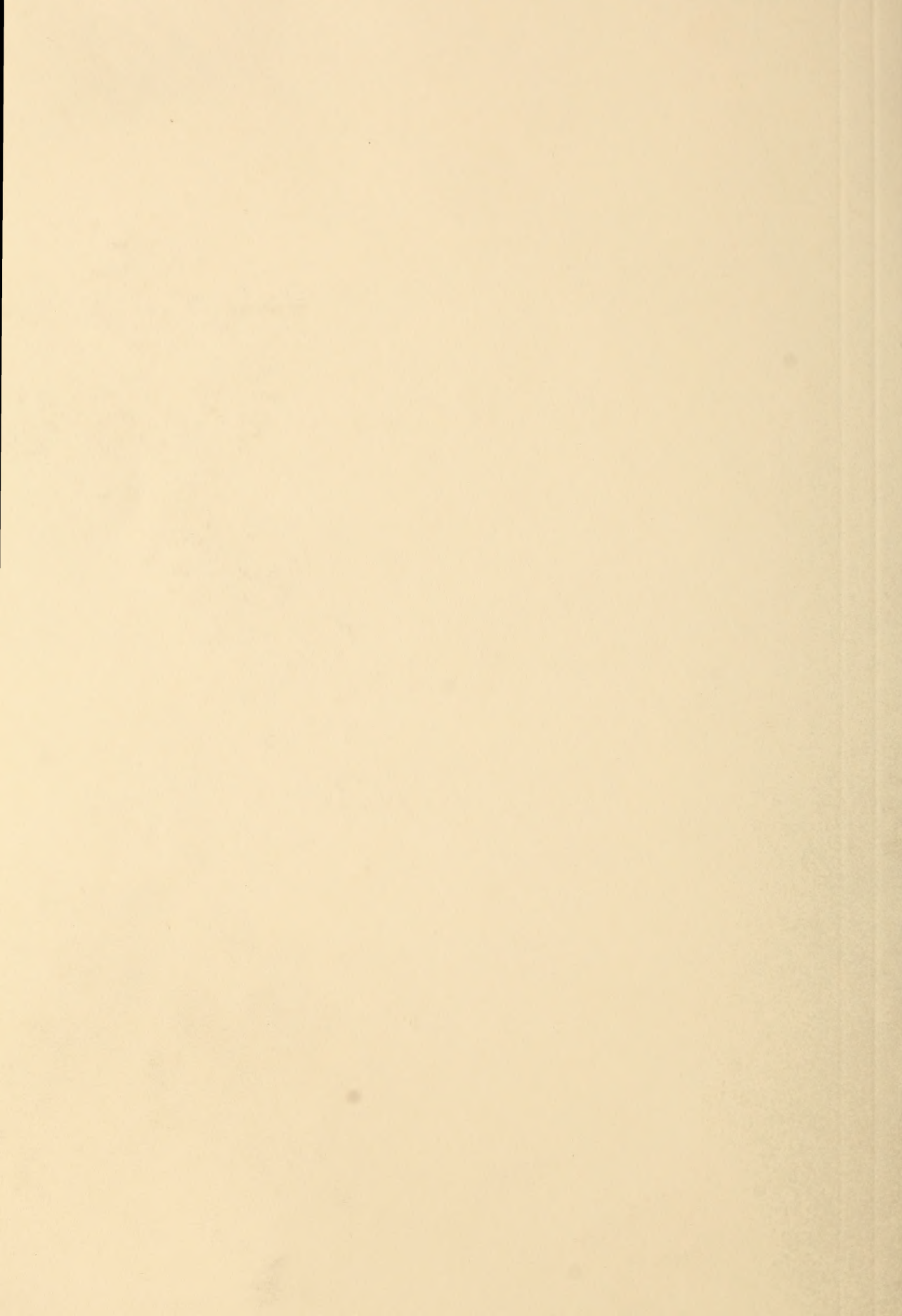


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# J. F. NOLL & CO'S BULB CATALOGUE

Autumn  
1913

LIBRARY  
U.S. Department of Agriculture,  
Washington, D. C.

*DARWIN TULIPS*  
*See Page 5*

J. F. NOLL & CO., INC.  
SEEDS, PLANTS, BULBS, POULTRY SUPPLIES  
115 MULBERRY STREET, NEWARK, N. J.  
29 HUDSON TERMINAL CONCOURSE, NEW YORK CITY



# INTRODUCTION

## To Our Customers:

In presenting our annual catalogue of Bulbs, Seeds, etc., for fall planting, we beg to say that the varieties we have selected are all of the finest quality and such as we feel sure will give satisfaction. They are from the most reliable bulb farms in Holland and other countries and are the very best of the season's products.

We would especially draw attention to the Darwin and the May Flowering Single Tulips as being well worth the attention of all lovers of "the flowers that bloom in the Spring."

Early orders are respectfully solicited. Do not leave it until too late, for the reason that the first importations are usually the best and late plantings do not give the bulbs a fair start. On no account should they be planted later than November, otherwise the bulbs will suffer from their natural tendency to vegetate at their proper season.

Orders may be sent by mail direct to 115 Mulberry Street, Newark, N. J., or left at our store, 29 Hudson Terminal Concourse, Cortlandt, Church and Fulton Streets, New York City, where we carry a stock of Bulbs, Seeds, etc. in season. In either case, they will have our prompt attention.

Thanking you for past favors and for your recommendations to your friends, we are,  
Sincerely yours,  
Autumn, 1913.

J. F. NOLL & CO., INC.,  
Alex. Forbes, Pres.

## CULTURAL DIRECTIONS—"Dutch Bulbs"

**Garden Culture.** The planting of bulbs, such as Hyacinths, Tulips, Narcissi, Crocus, etc., should be done before ground is frozen.

**Planting of Hyacinths.** The soil should be well dug to a depth of 14 inches, the bulbs should be planted evenly, 8 inches deep, so as to have them in bloom at the same time; in order to do so, excavate 6 inches of the top soil, loosen the foundation of bed, place bulbs 6 inches apart, and press down to depth of bulb. After this is done, put back the excavated soil.

**Tulips, Narcissi, Jonquils.** Plant 6 inches deep, excavate 4 inches of the soil, same as above.

**Crocus and Scillas.** A depth of 4 inches is sufficient.

After the ground has been frozen in early Winter, cover with a few inches of dry litter or dry coarse manure.

**Pot Culture.** For growing in pots a good grade of bulbs should be used. They should be potted singly into 5-inch pots; three bulbs planted in 7-inch pot or pan are very effective; a good potting soil should be used. The pots should be filled lightly and the bulbs pressed into the soil, so that their base is firmly fixed; about one-third of the bulb should remain above the soil, then give a good watering. The pots can then be buried in the open ground to a depth of 6 inches, or put in cellar and covered with sand about 4 inches deep.

Bulbs should remain under this cover as follows: Roman Hyacinths, Paper White Narcissus, Crocus, Scillas, six weeks; Hyacinths, Narcissi, Jonquils, from eight to ten weeks; Tulips, from twelve to fourteen weeks. They may then be taken into the house, but should be protected for the first two days from the extreme rays of the sun.

Where a succession of flowers is desired, it is best to pot at intervals from September to the end of November. Bulbs grown in pots should be kept moist at all times, and before potting pots should be soaked in water and washed clean.

Persons unacquainted with the different varieties, will do well to leave the selection to us, only specifying in their order whether bulbs are wanted for pot or garden culture.

Our Hyacinths and Tulips are sold under names given to them by the originators in Holland, and not under fancy names manufactured in this country.

## OUR TERMS ARE ALWAYS CASH WITH ORDER OR SATISFACTORY REFERENCES

**How to Remit.** You can send your remittance at our risk by Post Office or Express Money Order, New York or Chicago Draft, or by registered letter. We cannot hold ourselves responsible for cash sent loose in letters.

**Be sure to sign your name** and give your full address on every order you send us. We frequently receive orders without name or address. If you do not hear from your order in a reasonable time write us fully, giving date of mailing, how you remitted and copy of order sent. We will try to trace it.

**Prices quoted on** Bulbs, Roots, Plants, Farm Seeds, Grass Seeds, Implements, Fertilizers and the like are Net, F. O. B. Newark, N. J., unless quoted otherwise.

**Give full directions** on all orders to be shipped by freight or express. Give your post-office, also your freight or express office, county and State and advise us whether you wish goods shipped by freight or express.

**Please order as early** as you conveniently can. We aim to fill all orders promptly. Should there be any cause for delay we will write you stating when we expect to forward.

**Guarantee.** We give no warranty, express or implied, as to description, purity or productiveness or any other matter of any seeds, plants or bulbs we send out, and will not be in any way responsible for the crop. If purchaser does not accept the goods on these terms they are to be returned at once.

J. F. NOLL & CO., INC., Newark, N. J.

ALEX. FORBES, Pres.

Autumn, 1913.



**Order for Bulbs, etc.**  
FROM  
**J. F. NOLL & CO., Inc.**  
(ALEX. FORBES, President)  
**NEWARK, N. J.**

Messrs. J. F. Noll & Co., Inc., give no warranty, express or implied, as to description, purity, productiveness, or any other matter of any seeds, plants or bulbs they send out, and they will not be in any way responsible for the crop. If the purchaser does not accept the goods on these terms they are at once to be returned.

**BE SURE TO FILL IN THESE BLANKS**

AMOUNT ENCLOSED

Name \_\_\_\_\_ Postal Money Order, \$ \_\_\_\_\_

Street, P. O. Box or R. F. D. Number \_\_\_\_\_ Express Money Order, \_\_\_\_\_

Post Office \_\_\_\_\_ Draft, \_\_\_\_\_

County \_\_\_\_\_ State \_\_\_\_\_ Currency, \_\_\_\_\_

Express or Freight Office { \_\_\_\_\_ Postage Stamps, \_\_\_\_\_  
If different from P. O. {

Ship order by \_\_\_\_\_ Date \_\_\_\_\_ 19\_\_

QUANTITY	ARTICLES WANTED	PRICE
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# FOR FALL PLANTING

## HYACINTHS

### Noll's Choice Bedding Varieties Separate Colors, Unnamed

These are much used for outdoor bedding, but can also be utilized for forcing purposes, giving excellent results.

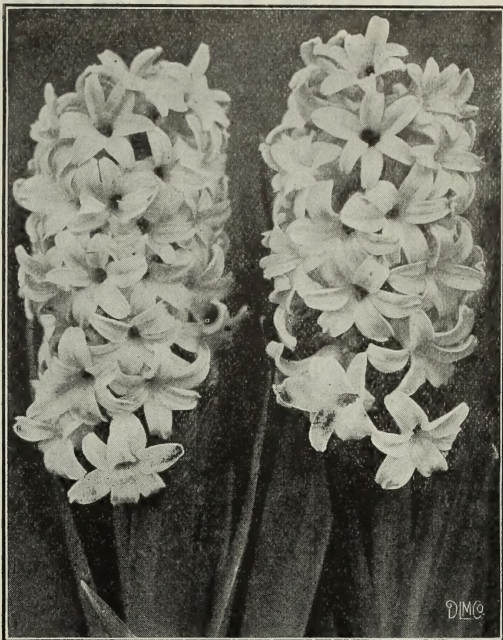
We offer only the best grade of stock, true to color and well ripened bulbs. This should be considered when looking over our prices, as there are many grades of Hyacinths, as well as prices.

#### SINGLE VARIETIES

	Each	Doz.	100
Rose.....	\$0.05	\$0.50	\$3.75
White.....	.05	.50	3.75
Red.....	.05	.50	3.75
Yellow.....	.05	.50	3.75
Blush White.....	.05	.50	3.75
Light Blue.....	.05	.50	3.75
Dark Blue.....	.05	.50	3.75
All Colors Mixed.....	.05	.45	3.50

#### DOUBLE VARIETIES

	Each	Doz.	100
Rose.....	.05	.55	4.00
White.....	.05	.55	4.00
Red.....	.05	.55	4.00
Yellow.....	.05	.55	4.00
Blush White.....	.05	.55	4.00
Light Blue.....	.05	.55	4.00
Dark Blue.....	.05	.55	4.00
All Colors Mixed.....	.05	.50	3.75



Single Hyacinths, Mixed Colors

### French Roman Forcing Hyacinths

They are the best and most popular of bulbs. The flowers are delightfully fragrant, and each bulb will throw up from three to four spikes. For forcing, three or four bulbs are generally planted in a 5-inch pot, in good soil (as recommended for other varieties). The pots must be kept in a cool and dark place until they fill with roots, when the flower spikes can be rapidly developed by exposure to light and moderate heat. They are very easily grown and extremely early, and by making successive plantings, they may be had in flower all through the Winter.

### Early Roman Hyacinths

	Each	Doz.	100
Single Pure White. Large size.....	\$0.05	\$0.50	\$4.00
Single Pure White. Extra large size.....	.06	.60	4.50
Single Blue.....	.05	.50	4.00
Double Dark Rose.....	.05	.50	4.00
White Italian.....	.06	.60	4.50

### Grape Hyacinths

These oddly shaped flowers do well either in shade or in exposed positions. They are perfectly hardy and show to best effect, when massed. They can also be used for pot culture, when six bulbs should be planted in a five-inch pot, and the same treatment given as recommended for the others of this family. When planted outside, and not disturbed, they multiply rapidly and increase the yield of flowers every Spring.

	Doz.	100
White.....	\$0.15	\$0.85
Blue.....	.15	.85

### HYACINTH GLASSES

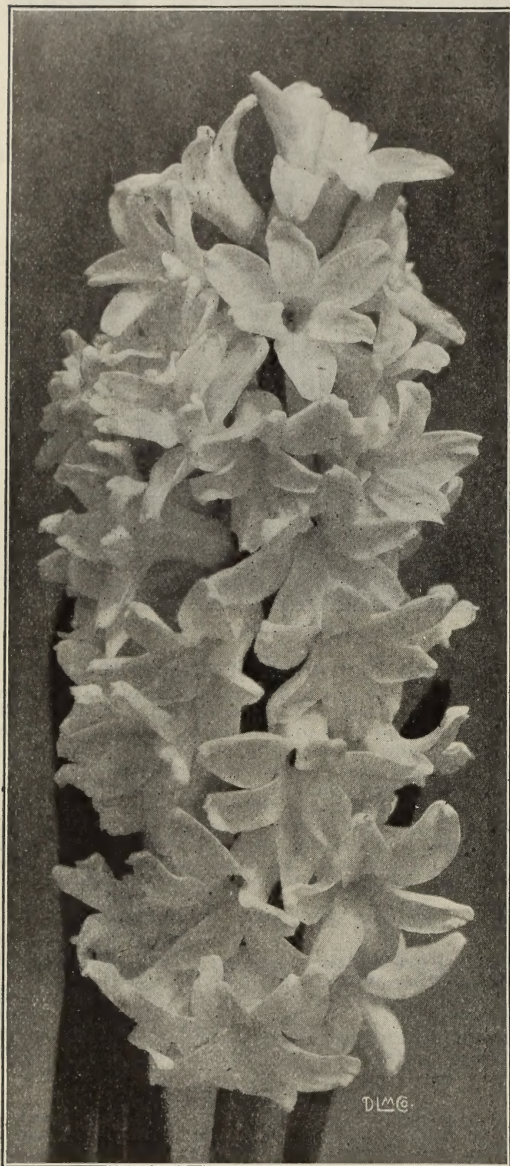
	Each	Doz.
Tall or Belgian Shape, Different Colors.....	\$0.15	\$1.50
Tye Shape.....	.15	1.50



Early Single White Roman Hyacinths



# NOLL'S FINEST SINGLE NAMED HYACINTHS



Single Pink Hyacinth, Norma

All our Hyacinths have been grown especially for our order and are **first size bulbs**, true to name and sure to flower. In comparing prices, remember that our bulbs are all well matured and, under ordinary conditions, cannot fail to give entire satisfaction.

## FIRST SIZE

### DARK ROSE AND RED

**Amy.** Carmine; large, compact truss. A free flowerer.

**L'Ornement.** Rose. Splendid spike.

### PINK AND BLUSH

**Gertrude.** Bright rosy pink; large, erect spikes.

**Gigantea.** Blush pink, shaded darker; large bells.

**Norma.** Delicate, waxy pink. One of the most delicate tints to be found in this class.

### PURE WHITE

**Baroness Von Thuyll.** Pure snow white; large trusses. One of the best whites and forces well.

**Elfride.** Blush white; an excellent variety.

**La Grandesse.** Glistening white; extra large heads.

**L'Innocence.** Pure white; spike compact and massive.

### BLUE AND LAVENDER

**Baron Von Thuyll.** Deep blue; throws a full head with large bells.

**Grand Maitre.** Splendid spikes, pure ultramarine blue.

**King of the Blues.** Dark blue; immense truss.

**Marie.** Dark blue; large spike. Free bloomer.

**Queen of the Blues.** Beautiful sky blue; large spike and a good forcer.

### YELLOW

**Ida.** Bright yellow; large, fine, well-filled truss; a fine forcer.

Any of the above First Size Named  
Hyacinths at 12c. each, \$1.25  
per dozen

## HOW TO GROW BEAUTIFUL HYACINTHS

### In the Open Ground

Plant in the Fall 6 inches apart each way and 8 inches deep. Give them slight protection over Winter, and in the Spring, after the flowers are gone, the bulbs may be removed in time to set your Summer-flowering plants.

### In Pots or Window Boxes

Plant the bulb in the pot so that its crown just shows, then set away in a cool, dark place for 8 to 10 weeks for root-growth to develop. After this, bring gradually to the light, heat and air; give plenty of water.

### In Glasses

Set the bulb so that the lower end merely touches the water. Put away in a cool, dark place till you see the roots developed, then remove by degrees to full light and air. A piece of charcoal in the water will keep it sweet.



## NOLL'S FINEST DOUBLE NAMED HYACINTHS

We only handle first size roots, selected bulbs and bound to bloom. Double Hyacinths are nearly all later than the single in flowering.

### FIRST SIZE

#### ROSE, RED AND PINK

- Bouquet Tendre.** Bright carmine; large, strong, handsome spike.
- Grootvorst.** Extra large; fine, rosy pink; very double; large spike.
- Lord Wellington.** Clear, bright carmine. One of the most beautiful of all.
- Noble par Merite.** Fine dark red; very fine double bells, and forces well.
- Princess Alexandra.** Rosy red, with purplish center; a very free flowerer.

#### WHITE

- Bouquet Royal.** Pure white; throws a large truss covered with large bells to the top of spike.
- Flevo.** White shaded pink. One of the best for pot culture.
- Isabella.** White, suffused with rose; large spike.
- La Virginite.** Rich, creamy white, delicately shaded to blush; large truss.

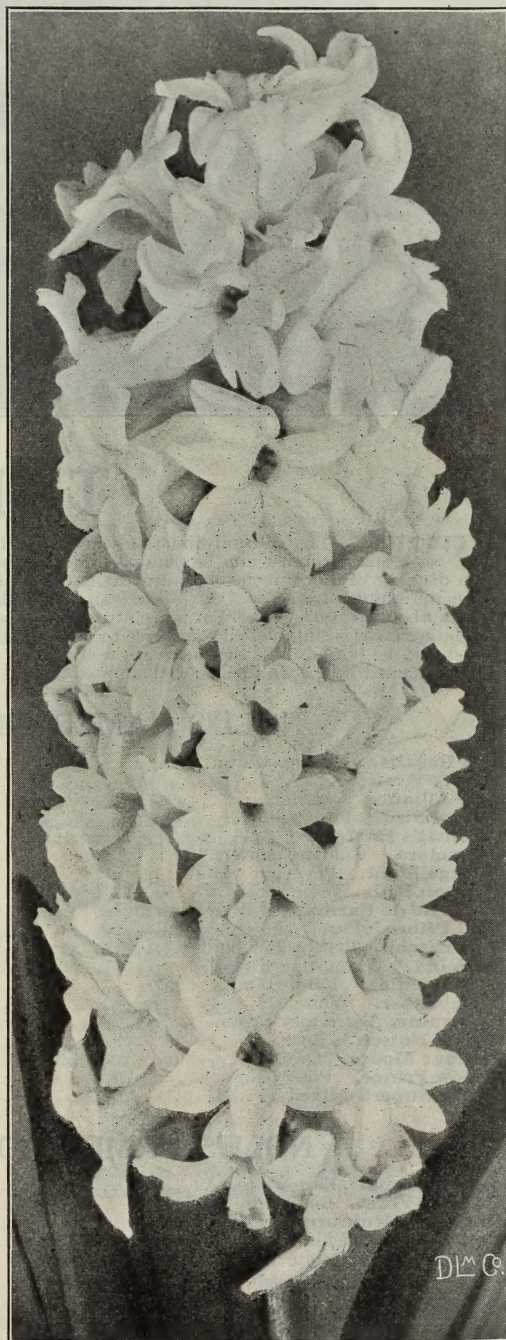
#### BLUE AND LAVENDER

- Blocksberg.** Lovely porcelain blue; large trusses; very beautiful.
- Garrick.** A truly magnificent sort; lovely azure blue flowers in large, compact spikes
- General Antinck.** Porcelain blue; fine, compact spike of large bells.
- Laurens Koster.** Purplish blue; large, well-topped truss and extra double.
- Mignon de Dryfhout.** Dark blue; semi-double; very floriferous.

#### YELLOW AND ORANGE

- Jaune Supreme.** Rich, dark yellow tinted with salmon.
- Goethe.** Fine, clear yellow. One of the oldest yellow varieties; good, full spike to the top.

Any of the above First Size Named  
Hyacinths at 12c. each, \$1.25  
per dozen



Single White Hyacinth, La Grandesse





## TULIPS

**CULTURE.**—The cultural directions given for Hyacinths are equally applicable to Tulips, except that the bulbs, being smaller, must not be planted quite so deep. Six inches to the bottom of the bulb is deep enough, and a distance of 5 or 6 inches between the bulbs is sufficient. They may be planted in October and November before the ground freezes. A little sand around each bulb is generally recommended, but in light, sandy soil this may be dispensed with. For pot culture, a compost of two parts loam to one part light manure, with some sand intermixed, is suitable. From three to five bulbs, according to size, in a 5-inch pot, are very effective. The pots should be buried until the bulbs are well rooted, in the manner recommended for Hyacinths. Most of the varieties named below are equally well adapted for pot culture, or the open border.

### NOLL'S NAMED SINGLE EARLY TULIPS

	Doz.	100
<b>Alba Regalis.</b> Creamy white.....	\$0.30	\$1.75
<b>Artus.</b> Scarlet.....	.25	1.50
<b>Belle Alliance.</b> Scarlet.....	.40	2.75
<b>Canary Bird.</b> Pure yellow.....	.25	1.50
<b>Cardinal's Hat.</b> Red.....	.30	1.75
<b>Chrysolora.</b> Golden yellow.....	.25	1.50
<b>Cottage Maid.</b> Pink and white.....	.30	1.75
<b>Crimson King.</b> Crimson.....	.25	1.50
<b>Duchesse de Parma.</b> Red and orange.....	.30	1.75
<b>Gold Prince.</b> Pure, yellow.....	.25	1.50
<b>Kaiser kroon.</b> Red, yellow border.....	.35	2.50
<b>La Reine.</b> White, tinged pink.....	.25	1.50
<b>L'Immaculee.</b> Pure white.....	.25	1.50
<b>Pottebakker.</b> White.....	.40	2.75
<b>Proserpine.</b> Extra rosy carmine.....	.50	3.50
<b>Rachel Ruisch.</b> Rose.....	.30	1.75
<b>Thomas Moore.</b> Orange.....	.30	1.75
<b>Yellow Prince.</b> Pure yellow.....	.25	1.50
<b>Single Superb Mixed</b> .....	\$10.00 per 1000	.25 1.50

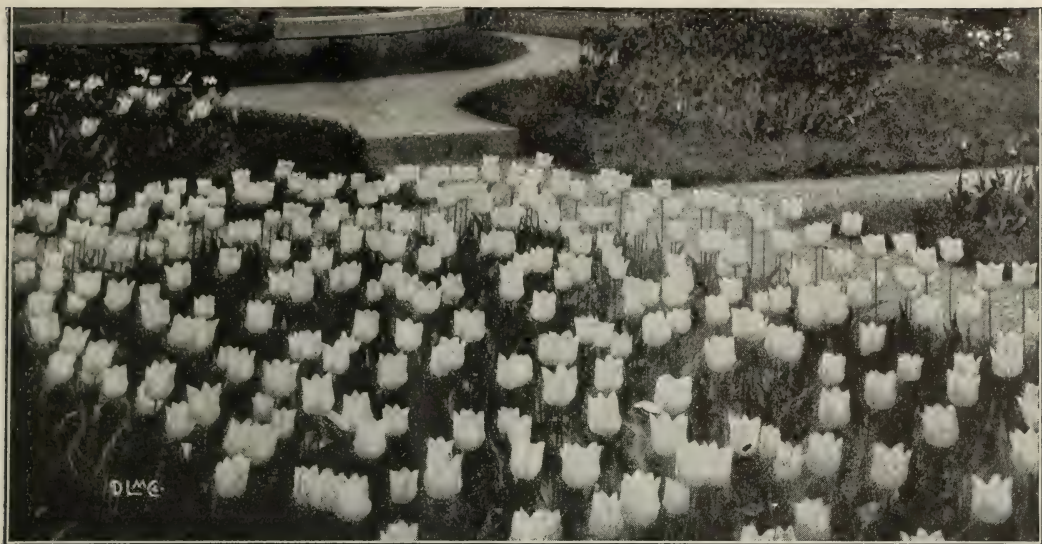
### NOLL'S NAMED DOUBLE EARLY TULIPS

<b>Alba Maxima.</b> Pure white.....	.30	1.75
<b>Duke of York.</b> Red, white border.....	.30	1.75
<b>Imperator Rubrorum.</b> Rich scarlet.....	.50	3.50
<b>La Candeur.</b> White.....	.30	1.75
<b>Murillo.</b> Blush white.....	.30	1.75
<b>Rubra Maxima.</b> Deep red.....	.35	2.00
<b>Tournesol.</b> Red and yellow.....	.35	2.50
<b>Tournesol.</b> Yellow.....	.40	2.75
<b>Double Superb Mixed</b> .....	\$11.00 per 1000	.30 1.75

### DOUBLE LATE TULIPS

**Mixed Colors**.....30c. each, 1.75 per 100, 11.00 per 1000





## DARWIN TULIPS

(See illustration on front cover)

We strongly recommend this class of Tulips for garden decoration in beds, as well as in groups in the herbaceous<sup>s</sup> border and amongst shrubs. Grown for cut flowers, they will prove very valuable at a time when our gardens yield so little to decorate our rooms. They flower about the middle of May, a time in which the Spring flowers are over and the Summer flowers have not yet come in. They last a very long time when cut.

By slowly forcing in pots, they may be had in bloom in March or even earlier. Most of the varieties improve in color by protection under glass or canvas.

We have given the approximate height of each variety.

	Doz.	100		Doz.	100
<b>Asa Gray.</b> Dark carmine; an exquisite shade. 24 in.....	\$0.50	\$3.50	<b>Farncombe Sanders.</b> Fiery scarlet. The best red. 25 in.....	\$1.00	\$6.00
<b>Kate Greenaway.</b> White and lilac. Perfect shape. 24 in.....	.35	2.50	<b>Clara Butt.</b> Soft, rosy pink, good forcer. 21 in.....	.55	3.75
<b>Margaret (Gretchen).</b> Blush white, center blue. 24 in.....	.35	2.50	<b>Flamingo.</b> Delicate flesh, tinted rose. 25 in.....	1.25	10.00
<b>Loveliness.</b> Extra fine carmine rose. 21 in.....	.35	2.50	<b>Nauticus.</b> Cerise rose; center dark violet. 30 in.....	.55	3.75
<b>The Sultan.</b> Glossy maroon black. 21 in.....	.35	2.50	<b>All colors mixed, containing all the most desirable shades, 30c. per doz., \$1.75 per 100.</b>		
<b>Massachusetts.</b> Light rose and white center. 26 in.....	.60	4.00			

## MAY-FLOWERING SINGLE TULIPS

We have made a selection of the most desirable varieties in this class, and they deserve a place in every garden, lengthening, as they do, the flowering period of the year. Some of the most delicate shades are found in this family of late-flowering Single Tulips, as well as some of the most brilliant. All are long and stiff-stemmed, and are admirably adapted for cutting purposes.

	Doz.	100		Doz.	100
<b>Bridesmaid.</b> Cherry rose, flaked white.	\$0.25	\$1.50	<b>Inglescombe.</b> Rose pink with salmon sheen.	\$0.50	\$3.50
<b>Gesneriana Major.</b> Scarlet with blue base.	.30	1.75	<b>Inglescombe.</b> Rich yellow, perfect form. 18 in.	1.00	7.00
<b>Picotee (Maiden's blush).</b> White with rose edge.	.30	1.75	<b>Inglescombe.</b> Scarlet vermilion with black base.	.60	4.00
<b>Golden Eagle.</b> Golden yellow.	.30	1.75	<b>Single Late Mixed.</b> All the choicest colors.	.30	1.75
<b>Miss Helen Willmott.</b> Primrose yellow	1.00	7.00	<b>Bizarre's Mixed Colors and Shades.</b>	.25	1.50
<b>La Merveille.</b> Salmon rose; a very delicate shade.	.35	2.50	<b>Bybloemen Mixed Colors and Shades.</b>	.30	1.75

## PARROT TULIPS

This class of Late-Flowering Single Tulips is very suitable for cutting purposes. The flowers are very quaintly shaped and are borne on long stems and remain in good condition for a long time after being cut. A vase filled with these flowers gives a very artistic effect in house decorations.

	Doz.	100		Doz.	100
<b>Constantinople.</b> Light red.....	\$0.35	\$2.50	<b>Monstre Cramoise.</b> Deep crimson....	\$0.35	\$2.50
<b>Lutea Major.</b> Yellow.....	.35	2.50	<b>All Colors Mixed.</b> Made up from named varieties.....	.30	1.75
<b>Markgraaf von Baden.</b> Yellow and scarlet.....	.35	2.50			



## CROCUS

For pots and borders. A universal favorite, being one of the earliest flowers seen in the Spring. They are neat, dwarf and compact in growth, and the blooms are of bright colors. If planted closely—say 2 inches apart—and 3 inches deep, they make a very pretty display immediately after the snow goes off in the Spring. Do not disturb for several years. Should be largely planted in the grass on lawns. They will flower very early in Spring before mowing. The effect is beautiful. For flowering in pots, baskets, etc., they should be plunged in the open ground for three weeks after planting, precisely in the same manner as directed for Hyacinths.

	Doz.	100	1000
<b>King of the Blues.</b> Dark blue..	\$0.15	\$1.00	\$8.00
<b>Madame Mina.</b> Violet and white	.15	1.00	8.00
<b>Mont Blanc.</b> Pure white.....	.15	1.00	8.00
<b>David Rizzio.</b> Large purple....	.15	1.00	8.00
<b>White.</b> Mixed shades.....	.10	.50	4.50
<b>Blue.</b> Mixed colors.....	.10	.50	4.50
<b>Purple.</b> Mixed colors.....	.10	.50	4.50
<b>Striped and Variegated.</b> Mixed.	.10	.50	4.50
<b>Cloth of Gold</b> .....	.15	1.00	8.00
<b>Cloth of Silver</b> .....	.15	1.00	8.00
<b>Yellow.</b> First size.....	.15	1.00	8.00
<b>Yellow Mammoth</b> .....	.20	1.25	10.00
<b>Mixed.</b> All colors.....	.10	.50	4.50



Crocus Mont Blanc

## FREESIA

If wanted by mail, add 3c. per doz., or 15c. per 100, for postage

The justly popular Freesias are greatly prized for the delightful fragrance of their delicately colored flowers, which, when cut, will remain in good condition for a long time in water. They are easily grown or forced in good loamy soil, with an admixture of leaf-mold and sand, in a frame or greenhouse, and are excellent for window culture in Winter. For the information of all not acquainted with these bulbs, we may say that they are quite small, but produce large blooms in comparison to their size.



Freesia

	Doz.	100
<b>Refracta alba.</b> Large size.....	\$0.30	\$1.75
<b>Purity.</b> Monster bulbs.....	.75	4.50

## JONQUILS

	Doz.	100
<b>Campernelle.</b> Large yellow.....	\$0.20	\$1.00
<b>Rugulosus.</b> Very fragrant; the largest Jonquil.....	.30	1.75
<b>Double Sweet scented</b> (True Double Jonquil) Fancy bulb; fine, deep yellow.	.35	2.50
<b>Single Sweet-scented.</b> Deep yellow; very free.....	.20	1.00

## CYCLAMEN GIGANTEUM

THE GIANT-FLOWERING PERSIAN CYCLAMEN

Each bulb throws up several flower stalks which continue to bloom several months. The flowers are beautiful, and range in color through many shades of pink, crimson and white; the leaves are also finely variegated. **Finest Colors, mixed,** 15c. each, 3 for 40c., postpaid.

## AMARYLLIS

**VITTATA HYBRIDS.** These are grown specially for us and contain a remarkable range of colors from self pure white to darkest crimson, or flaked and striped. These are easily grown. 40c. each, \$4.00 per doz., \$8.00 per 25, \$30.00 per 100.

	Each	Doz.	100
<b>Johnsoni</b> (Bermuda Spice Lily) Large bulbs.....	\$0.25	\$2.50	\$17.50
<b>Formosissima</b> (Jacobean Lily).....	.10	.60	4.50
<b>Belladonna Major</b> .....	.10	1.00	7.50
<b>Valotta purpurea</b> .....	.20	2.00	15.00
<b>Sternbergia lutea</b> .....	.10	.75	6.50



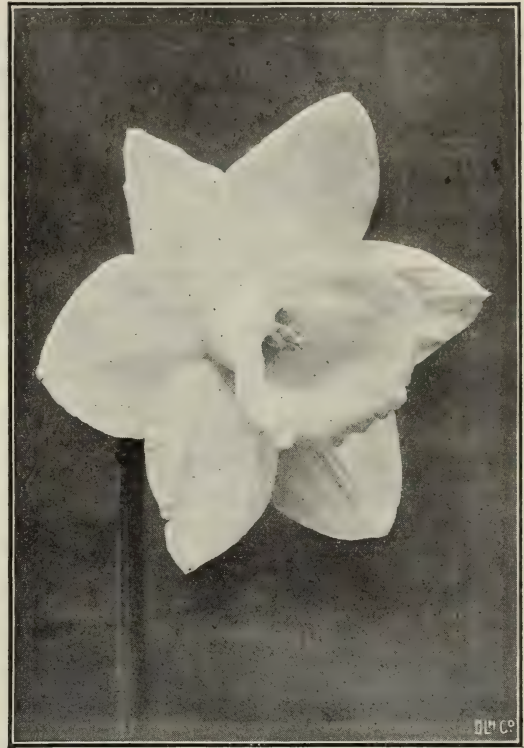
# NARCISSI AND DAFFODILS

## DOUBLE VARIETIES

	Doz.	100
<b>Alba pleno odorata.</b> White.....	\$0.20	\$1.25
<b>Von Sion.</b> Yellow. Double nosed bulbs..	.50	3.50

## SINGLE VARIETIES

<b>Bicolor Princeps.</b> Trumpet pure yellow, perianth sulphur white, extra size..	.30	1.75
<b>Golden Spur.</b> Pure yellow. Mother bulbs.....	.45	3.00
<b>Emperor.</b> Pure yellow. Large.....	.45	3.00
<b>Empress.</b> Trumpet yellow, white perianth. Fine variety.....	.30	1.75
<b>Trumpet Major.</b> Pure yellow.....	.25	1.50
<b>Poeticus Ornatus.</b> White cup margined with scarlet.....	.20	1.00
<b>Poeticus</b> (Pheasant's Eye). Same as above but not quite as large, 2 for 5c.	.20	1.00
<b>Paper White Grandiflora.</b> Extra size..	.30	1.75
<b>Sir Watkin.</b> Golden crown, primrose perianth; the largest of all.....	.45	3.00
<b>Cassandra</b> (Poeticus). Flowers of fine substance, with broad white perianth, cup deeply rimmed dark red. Each 20c.	2.00	
<b>Mrs. Langtry.</b> White perianth, white cup edged yellow.....	.25	1.50



Narcissus Emperor



Chinese Sacred Lily

## THE WATER FAIRY, or "SHIN SIN FAR"—Chinese "Joss Flower"

The genuine Chinese Sacred Lilies, grown for us in China. Each bulb sends up several flower stems, bearing great clusters of deliciously fragrant, pure white, wax-like blossoms, with golden yellow centers. They are usually grown in a bowl of water with pebbles to hold the bulbs in place. Roots should be well started by setting the bulbs when planted in a dark place for two or three weeks before bringing gradually to the light.

By planting at intervals you can have a succession of bloom all Winter. 10c. each, \$1.00 per doz.

## Noll's Garden Guide

Is a short treatise on *How and When* to Plant Seeds, Plants, Bulbs, Shrubbery, etc., and how to care for them; gives short directions for Vegetable and Flower culture; tells how to construct coldframes and hotbeds; contains spraying calendar, planting tables; also tells about transplanting the different sorts of plants, preparation of soil, fertilizers, etc. Price, 25c., or free (if requested) with purchase of \$1.00 or over, either vegetable or flower seeds or bulbs.



## HARDY LILIES

The Lilies and the Irises may be considered the most beautiful of our hardy garden flowers, yet the Lilies undoubtedly are the more popular—for they are found in the little country dooryard as well as in the millionaire's formal garden. The nodding flowers of *Lilium speciosum* add to the beauty of the simplest gardens, while the rich colors and the sweet perfume of all the varieties bring every visitor to marvel at their purity and loveliness.

All varieties, other than *Candidum*, the latter part of November.

	Each	Doz.
<b>Candidum.</b> "The Annunciation Lily." Immaculately white and fragrant. Large bulbs (ready in August for delivery)...	\$0.15	\$1.50
<b>Auratum.</b> "The golden-banded Lily of Japan." One of the most favorite sorts and deliciously sweet. Large sized bulbs.....	.25	2.50
<b>Speciosum album.</b> White, extra size..	.25	2.50
<b>Speciosum rubrum.</b> Rose, extra size..	.25	2.50
<b>Speciosum Melpomene.</b> A Japanese gem	.25	2.50
<b>Tigrinum fl. pl.</b> Double Tiger Lily.....	.15	1.50
<b>Tigrinum Simplex.</b> Single Tiger Lily..	.10	1.00
<b>Umbellatum erectum.</b> Dark red and orange.....	.15	1.50

The above are all perfectly hardy after the first Winter outside, but require light protection the first season.



Bermuda Easter Lily



*Lilium Auratum*

## LILIUM HARRISII

Ready now

The celebrated Bermuda Easter Lily

There is more of it sold than the rest of the Lilies combined. It is much in evidence at Easter when it is used most extensively for church decoration. It is absolutely white and very full of perfume. It is easily grown and should be included in every bulb order, no matter how small. We handle two sizes of this variety and they are both flowering roots.

	Each	Doz.	100
<b>First Size,</b> 5 to 7 in. in circum....	\$0.10	\$1.00	\$7.00
<b>Large Size,</b> 7 to 9 in. in circum....	.20	2.00	14.00

Orders received before 10.00 A. M. at our New York branch, 29 Hudson Terminal Concourse, will be ready for delivery at 4.00 P. M., or will be sent direct from Newark, N. J.



## MISCELLANEOUS BULBS



Convallaria, Lily of the Valley

### ANEMONE, or WINDFLOWER

(Ready in September)

Very ornamental, hardy perennials, producing beautifully colored flowers in Spring and Summer. They do best in rich soil and in a sheltered and well-drained position. Plant in Autumn. May also be grown in pots or forced in frames for early flowers.

	Doz.	100
Choice Single. Mixed colors.....	\$0.15	\$1.00
Choice Double. Mixed colors.....	.25	1.50

### ALLIUM

Alliums are hardy, early-flowering and very floriferous. All the varieties are useful as cut flowers.

	Doz.	100
White .....	\$0.15	\$1.00
Yellow .....	.15	1.00

### BABIANA

The best way is to plant six bulbs in a five-inch pot, with plenty good drainage.

	Doz.	100
Mixed Sorts .....	\$0.30	\$1.75

### CALLA

The "Lily of the Nile" is particularly well suited for house culture but none of this family is hardy. They bloom in a short time after potting.

	Each	Doz.
Black .....	\$0.15	\$1.50
Yellow .....	.30	3.00
Red .....	.15	1.50
White. (Lily of the Nile) .....	.20	2.00

### CHIONODOXA (Glory of the Snow)

The bulbs are very small and to secure the best results, six roots should be planted in a five-inch pot. Used for bordering in combination with Scillas they are very useful.

	Doz.	100
Luciliae. First size cultivated bulbs....	\$0.15	\$1.00
Sardensis. First size bulbs.....	.15	1.00

### CONVALLARIA (Lily of the Valley)

**Majalis.** Pure white flowers, 8 to 10 in. May, June. Large, field-grown clumps, 25c. each, \$2.50 per doz.  
**Berlin Pips.** Per bundle of 25 \$1.00, \$2.50 per 100; \$20.00 per 1000; ready for delivery in November.  
**Cold Storage Hamburg Pips.** Prices on application.

### CROWN IMPERIALS (Fritillaria imperialis)

	Each	Doz.
Aurora. Red.....	\$0.15	\$1.50
Sulphureus. Yellow.....	.20	2.00

### DIELYTRA or DICENTRA

Ready in November. A very popular old-fashioned plant, bearing heart-shaped flowers of a beautiful rose and white combination. The flowers are borne on long, pendulous stems and the effect is very pretty.

	Each	Doz.
Spectabilis (Bleeding Heart).....	\$0.15	\$1.50

### IRIS (Fleur-de-lis)

Ready in October and November

Iris, the Greek name for the rainbow, was applied to this flower in allusion to the manner in which many beautiful colors are blended together. Irises are of easy culture. They do best in a light, rich, sandy soil, and in a sunny situation. Good drainage is important. The varieties of Iris Kämpferi, from Japan, are remarkable for the beauty of their colors and their stateliness of habit. Some of these send up 10 or 12 flower spikes 3 ft. high, each bearing 2 to 4 enormous blossoms measuring 8 to 10 inches across. These require a liberal supply of water when growing.

	Doz.	100
English. All colors mixed. ....	\$0.30	\$1.75
Spanish. All colors mixed.....	.10	.60
Kaempferi. Assorted colors....	Ea. 20c.	2.00



English Iris



**IXIAS****Ready in October****If wanted by mail, add 3c. per doz., or 15c. per 100, for postage**

The Mixed Hybrid Ixias are so beautiful and rich in tints that no lover of flowers should be without them. They are equally adapted for pots or the open ground, exceedingly free flowering, and invaluable for cutting. If planted out, they require rather more covering during Winter than Hyacinths. In pots their culture is the same as that usually recommended for other bulbs. By reason of their curious forms and strange coloring, the Ixias attract much attention.

**Mixed colors.** Doz. 15c., 100 \$1.00.**MONTBRETIA**

One of the most satisfactory Summer-flowering bulbs. When used for clumping they give the best results.

Doz. 100

**Mixed Colors.**.....\$0.15 \$1.00**ORNITHOGALUM**

Very useful for pot culture. Is in great demand by florists, forcing it for cut flowers.

Each Doz. 100

**Arabicum** (Star of Bethlehem)....\$0.05 \$0.50 \$3.50**GLOXINIA**

Each Doz. 100

**Crassifolia erecta.** White, red, blue and spotted; separate colors \$0.15 \$1.00 \$7.50**SCILLA****Ready in September****If ordered by mail, add 5c. per doz. for postage**

All are quite hardy, and may remain in the ground several years. The effect in early Spring of the intensely rich blue, early-flowering Scilla, contrasting with the snow white of the Snowdrop and the varied hues of the Crocus, is very striking; most valuable for permanent edging, or planted in bunches of a dozen or so.

Doz. 100

**Sibirica.** Blue. Extra large bulbs.....\$0.15 \$1.00**Sibirica alba.** White-flowered variety of the above..... .25 1.50

Snowdrops



Spiraea Japonica

**SPARAXIS**

These are not hardy, but do well in the conservatory or window garden. They resemble Ixias, but are freer flowerers, and bolder in habit.

Doz. 100

**Choice Mixed.**.....\$0.15 \$1.00**SPIRÆA, or ASTILBE****Ready in November**

Tall, graceful, branching, herbaceous perennials, thriving in rich soil and damp positions. Those we list are extensively used for forcing for Winter decorative purposes, for which they are eminently adapted, either as cut flowers or in pots for window and table decoration. They should be potted when received and buried outside till they begin to form roots. They may then be taken in and forced as required. They require abundance of water.

Each Doz.

**Japonica**.....\$0.15 \$1.50**Gladstone**..... .25 2.50**Queen Alexandra**..... .25 2.50**SNOWDROPS (Galanthus nivalis)****Ready in September****If wanted by mail, add 3c. per doz., or 15c. per 100, for postage**

Perhaps no Spring flower is a more general favorite than the Snowdrop. The earliest flowering of its varieties is the common single sort, which is also very graceful and beautiful, commencing to bloom before the snow is fairly off the ground in Spring. This is succeeded by the double-flowered variety, with its elegant drooping, snow-white blossoms. Should be planted 2 to 3 inches deep in a shady location.

**Single-flowering Snowdrops** (Elwesii). 15c. per doz., \$1.00 per 100, \$7.00 per 1000.**Double-flowering Snowdrops.** 25c. per doz., \$1.75 per 100, \$13.00 per 1000.



# Hardy Annual and Perennial Flower Seeds

## FOR AUTUMN SOWING

Many varieties of flower seeds, **Annuals** as well as **Biennials** and **Perennials**, may be sown in the open ground in the Autumn. We give here a list of such as will succeed in this latitude and southward. The plants from Autumn-sown seed become larger and more robust, flowering earlier and more numerously than if sown in the Spring.

	Pkt.		Pkt.
<b>ACONITUM Napellus</b> (Monk's Hood).....	\$0.05	<b>DIANTHUS (Pinks)</b> —	
<b>ALYSSUM, Carpet of Snow</b> .....	.10	<b>White Frills.</b> A magnificent white flower	
<b>Maritimum</b> .....	.05	with deep lacinated petals.....	\$0.10
<b>Saxatile compactum</b> (Basket of Gold).....	.05	<b>Chinensis</b> (China or Indian Pink). Double	
<b>AGROSTEMMA</b> (Rose Campion). Mixed....	.05	mixed.....	Oz. 25c. .05
<b>ANTIRRHINUM (Snapdragon)</b> —		<b>Wonderful.</b> The petals are deeply cut and	
<b>Luteum.</b> Bright yellow.....	.05	the color in all shades from white to rose and	
<b>Atrococcineum.</b> Dark scarlet.....	.05	deep purplish red.....	.10
<b>Romeo.</b> Violet rose with pale lip.....	.05	<b>Plumarius</b> (Scotch, Clove, or Grass Pink)....	.05
<b>Firefly.</b> Scarlet and white.....	.05	<b>Plumarius, Double Mixed</b> (Pheasant's Eye)....	.10
<b>Album.</b> Pure white.....	.05	<b>DIGITALIS (Foxglove)</b> —	
<b>Tall Mixed.</b> All sorts.....	.05	<b>Purple.</b> The best known.....	.05
<b>New Giant-flowered.</b> Mixed.....	.10	<b>White.</b> Very pretty and attractive.....	.05
<b>Tom Thumb.</b> Mixed. 10 in.....	.10	<b>Rose.</b> A very fine shade.....	.05
<b>Double White</b> (New).....	.20	<b>Yellow.</b> Long spikes of bell-shaped flowers..	.05
<b>Double Yellow.</b> (New).....	.15	<b>Mixed.</b> All colors.....	¼ oz. 15c. .05
<b>AQUILEGIA</b>		<b>Gloxiniaeflora.</b> Purple, white and rose.....	.05
<b>Coerulea Sepal.</b> White with lilac on tip of		<b>Mixed.</b> This strain has long spikes bearing	
petals. 3 ft.....	.10	handsome Gloxinia-like flowers. ¼ oz. 20c.	.05
<b>Chrysanth.</b> Golden yellow. 3 ft.....	.10	<b>Maculata superba.</b> A splendid, spotted	
<b>Skinneri.</b> Crimson and light green. 3 ft....	.10	strain.....	.10
<b>Jaetscham.</b> Yellow, long red spurs. 3 ft....	.10	<b>Monstrosa.</b> Splendid mixed. Long spike,	
<b>Flabellata nana alba.</b> White. 1 ft.....	.10	bearing flowers of exquisite beauty. 4 ft....	.10
<b>Single Mixed.</b> All colors. 2 ft.....	.05	<b>GAILLARDIA grandiflora compacta</b> .....	.10
<b>Double Mixed.</b> All colors. 2 ft.....	.05	<b>HOLLYHOCK, Double White</b> .....	.10
<b>ASPERULA odorata</b> (Sweet Woodruff).....	.05	<b>Double Pink</b> .....	.10
<b>BOLTONIA Asteroides</b> (1000 to 1 Aster).		<b>Double Salmon Rose</b> .....	.10
White.....	.10	<b>Double Scarlet</b> .....	.10
<b>CANDYTUFT Semperflorens.</b> Pretty white		<b>Double Yellow</b> .....	.10
flowers, evergreen foliage.....	.10	<b>Noll's Selected Double Mixed</b> .....	.10
<b>Gibraltarica.</b> Lilac, shaded to white.....	.10	<b>LUPINUS (Polyphyllum).</b> Mixed.....	.05
<b>CAMPANULA (Bellflower, Canterbury Bell)</b> —		<b>MYOSOTIS (Forget-Me-Not)</b> —	
<b>Carpatica.</b> Large blue.....	.05	<b>Victoria.</b> Blue.....	.10
<b>Medium Single Blue</b> (True Canterbury		<b>Semperflorens.</b> The most desirable sort for	
Bell).....	.10	pot culture. Continually in flower.....	.10
<b>Medium Single White.</b> Very pretty for		<b>Palustris.</b> The true Forget-Me-Not; flowers	
contrasts.....	.10	best the second year.....	.05
<b>Medium Single Rose</b> .....	.10	<b>Alpestris. Blue.</b> A pretty trailer.....	.10
<b>Medium Single Mixed</b> .....	.05	<b>White.</b> Pure white flowers.....	.10
<b>Medium Double Blue.</b> Summer and Fall		<b>Rosea.</b> Rose-colored flowers.....	.10
bloomers.....	.10	<b>Mixed.</b> All sorts.....	.05
<b>Medium Double White.</b> Appearance waxy..	.10	<b>PANSIES (Heart's-Ease)</b> —	
<b>Medium Double Rose</b> .....	.10	<b>Noll's Non Plus Ultra</b> .....	.20
<b>Medium Double Mixed</b> .....	.05	<b>Giant Trimardeau.</b> Finest mixed.....	.10
<b>CENTAUREA Cyanus</b> (Blue Emperor). Fine,		<b>Extra Large-Flowered, Fine Mixed</b> .....	.10
bright blue.....	.05	<b>Choice Mixed</b> .....	.05
<b>Cyanus Double Blue.</b> A fine cut flower....	.10	<b>PHLOX.</b> Large-flowered Hybrids, mixed.....	.10
<b>Cyanus Mixed.</b> Single and double varieties..	.05	<b>POPPY. New Oriental Hybrids.</b> Enormous	
<b>Gymnocarpa.</b> Silver-gray foliage.....	.10	flowers of the most dazzling beauty.....	.10
<b>CHRYSANTHEMUM Frutescens</b> (Paris		<b>Oriental.</b> Fiery scarlet.....	.05
Daisy).....	.10	<b>Nudicaule</b> (Iceland Poppy). One of the most	
<b>DAISY (Bellis)</b> —		attractive varieties. Beautiful when grown	
<b>Giant Red.</b> Glowing red, shaded rose, per-		in masses. 1 ft.	
fectly double.....	.10	<b>Double Mixed Iceland</b> .....	.10
<b>Giant White.</b> Large, double, pure white....	.10	<b>Single Mixed Iceland</b> .....	.10
<b>Snowball.</b> Long stems, large double white		<b>SALVIA Patens</b> (Blue Salvia).....	.10
flowers.....	.10	<b>SCABIOSA Caucasic.</b> Flowers a beautiful	
<b>Giant Double Mixed.</b> Including all the		soft lavender.....	.10
above.....	.10	<b>STATIC Sinensis.</b> White, canary-yellow center.....	.10
<b>The Shasta.</b> Pure white.....	.10	<b>STOKESIA cyanea</b> (Cornflower Aster).....	.10
<b>DELPHINIUM (Perennial Larkspur)</b> —		<b>SWEET WILLIAM, Single White</b> .....	.05
<b>Yellow Zail.</b> .....	.10	<b>Single Crimson</b> .....	.05
<b>Formosum.</b> Brilliant blue, white center....	.10	<b>Single Mixed.</b> All colors.....	¼ oz. 15c. .05
<b>Brunonianum.</b> Lovely blue, musk-scented		<b>Double White</b> .....	.10
flowers. 3 ft.....	.15	<b>Double Crimson</b> .....	.10
<b>Cardinale.</b> Orange scarlet. Very pretty. 2		<b>Double Mixed.</b> All colors.....	¼ oz. 25c. .10
ft.....	.15	<b>SWEET ROCKET</b> (Hesperis). Mixed.....	.05
<b>Hybrids, Mixed.</b> Choice varieties of fine		<b>WALLFLOWER, Double Mixed.</b> Double Ger-	
quality.....	.10	man varieties.....	.10
		<b>Single Mixed.</b> A fine mixture of single-	
		flowering varieties.....	.05

FOR PERENNIAL PLANTS, SEE PAGE 14



# LAWN GRASS SEED

## OUR MIXTURES ARE UNSURPASSED

**How and When to Sow.** While Spring is a good time to sow Lawn Grass Seed, especially if it is done in March or April, yet if we had our choice, we would prefer Fall seeding—say, the first half of August, all September, and, in late seasons, the first half of October. Why? Because it is Nature's seeding time for Grasses. The young plants become established so that in early Spring they start into growth, as soon as the frost is out of the ground, especially if the lawn is well rolled after the ground is fairly dry.

The soil should be rich and carefully prepared by being well pulverized. Sow the seed when the ground is fairly moist—but not too moist—and roll after seeding, if possible. If any re-seeding is done, do it before rolling. All Lawns are much benefited by frequent mowing, but do not cut too close in hot, dry weather or about the time the ground freezes. One quart will seed 300 square feet. Five bushels will seed an acre of new ground; about half these quantities for re-seeding or renovating after the ground has been scratched with a rake or otherwise prepared.

**Change from Weight to Measure.** While selling Lawn Grass Seed by weight has much in its favor, there is such a great demand for it by measure that we have decided to put it on sale by the quart, peck and bushel, and hope to continue this in future for the convenience of our customers.

As there is no standard weight per bushel for Lawn Grass Seed in the United States, we would mention that our Lawn Grass Seed weighs 20 lbs. to the bushel, so that those who still prefer to buy by weight, can base their calculations in this way.

**Free Delivery of Lawn Grass Mixtures.** While we cannot deliver free of transportation all the goods we offer, yet we will do so in the case of Lawn Grass mixtures.

From now on, therefore, we will deliver our Lawn Grass mixtures free of transportation in the United States by mail, express or freight, at our option, at the prices mentioned in this catalog.

**We will be pleased to enter into correspondence** with any one wishing advice in the formation of Lawns and golf courses or their care.



## THE "FORBES" LAWN GRASS SEED

We invite your attention to the announcement on the back of this catalog cover, by which it will be noticed that we now have at the head of our establishment one who was for over 25 years general manager of Peter Henderson & Co., of New York City, and who not only compounded the Grass Seed mixtures of that well-known firm, but personally selected and bought the individual grasses which entered into these mixtures. In this and other ways he has had an experience that stamps him as an authority on Lawns and everything connected therewith. Out of compliment to him, we have decided to name our best Lawn Grass mixture **THE "FORBES" LAWN GRASS SEED**, which, considering the cleanliness and purity of the individual grasses that enter into this mixture in proper proportions, makes it second to none and vastly superior to many of the Lawn Grass mixtures so largely advertised. This will take the place of the Noll's Perfect Lawn Grass which we have offered heretofore. **PRICE per qt. 30c., 4 qts. \$1.00, peck \$1.75, bus. of 20 lbs. \$6.00.**

Delivered free of transportation in the U. S. by mail, express or freight at our option.

## BRANCH BROOK PARK LAWN GRASS SEED

Named after one of our large city parks where it has been used for a number of years. To customers who do not wish our highest priced mixture, we can recommend this brand, as it is deservedly popular. Will produce a fine lawn in 6 to 8 weeks. **PRICE per qt. 25c., 4 qts. 85c., peck \$1.50, bus. of 20 lbs. \$5.00.**



### NOLL'S SHADY PLACE GRASS SEED

This mixture contains a majority of Grasses suitable for growing in shady places. Produces an excellent turf in a short time. **PRICE per qt. 30c., 4 qts. \$1.00, peck \$1.75, bus. of 20 lbs. \$6.00.**

### NOLL'S TERRACE GRASS SEED

Compounded from quick-growing Grasses which produce a network of long roots, which grow to a good depth, preventing washing out, etc. This brand is sure to satisfy. **PRICE per qt. 30c., 4 qts. \$1.00, peck \$1.75, bus. of 20 lbs. \$6.00.**

## NOLL'S GRASS MIXTURE FOR GOLF COURSES

We will be pleased to hear from Greens Committees and advise them as to the best methods to attain satisfactory results. We have made a close study of Grasses and will be willing at all times to give our clients the benefit of our knowledge and experience. We claim to be specialists in this line and invite correspondence.

### Our "Putting Green" Grass Seed

Valuable for sowing new greens and renovating old ones. **Lb. 30c., 100 lbs. \$26.00.**

### Our "Fair Green" Grass Seed

Equally valuable for sowing new greens and renovating old ones. **Lb. 28c., 100 lbs. (enough for an acre) \$24.00.**

**NOLL'S PERMANENT PASTURE AND HAY MIXTURE.** A mixture of varieties which will form a permanent pasture, which lasts for years. May be used for hay crop one season and for pasture the next season. Sow on new land which has been plowed and harrowed, at the rate of 50 pounds per acre. On ground partly covered with Grass, 30 pounds per acre. **Price: Bus. of 14 lbs. \$2.75; 50 bus. \$2.65 per bus., 100 bus. \$2.60 per bus.**

## GRASSES

**Note.**—Prices given below on Grasses are net figures August 1, 1913, and are subject to market changes.

We endeavor to supply only the best grades of all Grasses and Clovers. Please bear this in mind when comparing our prices with those of others. There are many grades, and prices are often far apart. We have only one grade, "the best."

**AWNLESS BROME GRASS.** Does well on dry and poor soils; will stand long droughts and produce heavy crops. **Lb. 20c., 100 lbs. \$16.00.**

**CANADA BLUE GRASS.** Useful for growing on hard clay and poor soil, also good for steep places. **Lb. 18c., 100 lbs. \$15.00.**

**CREeping BENT.** A valuable Grass for lawns; does well in moist places. **Lb. 40c., 100 lbs. \$35.00.**

**CRESTED DOGSTAIL.** A valuable Grass for lawns and golf-greens. 30 pounds per acre. **Lb. 35c., 100 lbs. \$32.00.**

**ENGLISH RYE GRASS.** Perennial. A vigorous-growing Grass in meadows of moist soil. Valuable for permanent pastures. Sow 30 to 40 pounds per acre. **Lb. 12c., 100 lbs. \$10.00.**

**FINE-LEAVED SHEEP'S FESCUE.** Valuable for lawns and golf-greens. A very fine-bladed Grass and the dwarfest Grass in the whole list. **Lb. 55c., 100 lbs. \$50.00.**

**HARD FESCUE.** Like Sheep's Fescue, a good Grass for sandy soil and under trees; does not grow tall. 30 pounds per acre. **Lb. 30c., 100 lbs. \$28.00.**

**ITALIAN RYE GRASS.** An annual or biennial Grass of high value for soiling. It is a remarkably rapid grower on good soil, being ready to cut in four or five weeks from seeding. 36 pounds per acre. **Lb. 12c., 100 lbs. \$10.00.**

**KENTUCKY BLUE GRASS.** One of the best Grasses grown. Does well everywhere. Desirable for lawns. 60 pounds per acre. **Lb. 25c., 100 lbs. \$20.00.**

**MEADOW FESCUE.** Used in permanent pastures; very productive. Sow 50 pounds per acre. **Lb. 20c., 100 lbs. \$18.00.**

**ORCHARD GRASS.** Fine for pastures, grows well under trees; very early; withstands drought and heat. 45 pounds per acre. **Lb. 26c., 100 lbs. \$22.00.**

**RED FESCUE.** Very fibrous rooted, forms a thick, close sod. Valuable for lawns and terraces. **Lb. 32c., 100 lbs. \$28.00.**

**RED TOP, or HERD GRASS.** One of the best permanent Grasses. Makes good pasture; valuable also for hay. 32 pounds per acre. **Fancy, free from chaff. Lb. 20c., 100 lbs. \$18.00.**

**RED TOP, or HERD GRASS.** Same as above, except it is in chaff. Weighs only 14 pounds per bushel. 50 pounds per acre. **Lb. 12c., 100 lbs. \$10.00.**

**RHODE ISLAND BENT.** Valuable for lawns or pastures. Does well on any soil. 40 pounds per acre. **Lb. 40c., 100 lbs. \$35.00.**

**SHEEP'S FESCUE.** Should be sown in all sheep pastures. Does well in dry soils. 30 pounds per acre. **Lb. 30c., 100 lbs. \$28.00.**

**TIMOTHY.** The most popular of all for hay. Planted in all sections. If planted alone, 35 to 40 pounds per acre, less if with other Grasses. **Lb. 12c., 100 lbs. \$9.00.**

**WOOD MEADOW GRASS.** Fine for shady places. Makes a fine sod. Sow 28 pounds per acre. **Lb. 50c., 100 lbs. \$45.00.**



Red Top



# HARDY PERENNIAL PLANTS

Hardy perennial plants have many claims, both practical and artistic, and of late years they have been largely cultivated. They are found in the villager's yard, as well as in the millionaire's garden, and by a judicious selection, a succession of flowers can be had from April to September. To this end, we have noted the months of flowering as a guide. One of the telling points is their easiness of culture. Planted in Autumn and given a light protection the first year, they stand all the rigors of successive Winters, flowering each season. They should be planted where they are intended to be grown permanently. Those of dwarf habit should be placed in front, and the taller sorts, such as Hollyhock, Tritoma, Foxglove, etc., in the rear. We know of no class of plants which afford such a wealth of flower, for such a small outlay, as Hardy Perennial plants. They combine all shades of color, and are of the easiest culture, in fact, "they grow themselves," and no garden, no matter how modest, is complete without them. By procuring a few assorted plants, an "old-fashioned garden" can be had for a small financial outlay.

	Height	Color	Time of Bloom
<b>Aconitum napellus</b> (Monkshood).....	3 ft.	Blue & White	July-August
<b>Achillea "The Pearl"</b> .....	2 ft.	White	July-August
<b>Althaea</b> (Hollyhock). 20c. each.....	5-6 ft.	All Colors	July-August
<b>Alyssum saxatile</b> (Golden Tuft).....	1 ft.	Yellow	April-May
<b>Anemone japonica alba</b> (Wind Flower).....	2 ft.	White	Sept.-Oct.
<b>Aquilegia</b> (Columbine).....	2 ft.	All Colors	May-June
<b>Asclepias tuberosa</b> (Butterfly Flower).....	2 ft.	Orange	July-August
<b>Aster Novae-Anglae</b> (New England Aster).....	4 ft.	Purple	August-Sept.
<b>Bocconia cordata</b> (Plum Poppy).....	6 ft.	Creamy White	July-Sept.
<b>Boltonia asteroides</b> .....	4 ft.	White	August-Oct.
<b>Boltonia latiscuama</b> .....	4 ft.	Pink	August-Oct.
<b>Campanula</b> (Canterbury Bells).....	2 ft.	All Colors	June-August
<b>Centaurea orientalis</b> (Knapweed).....	3 ft.	Yellow	July
<b>Cerastium tomentosum</b> (Snow in Summer).....	6 in.	White	May-June
<b>Conoclinium</b> (Mist Flower).....	2 ft.	Blue	August-Oct.
<b>Delphinium</b> (Hardy Larkspur).			
<b>Chinensis</b> .....	2 ft.	White & Blue	June-Oct.
<b>alba</b> .....	2 ft.	White	June-Oct.
<b>formosum</b> .....	2 ft.	Dark Blue	June-Oct.
<b>Coelestinum</b> .....	2 ft.	Sky Blue	June-Oct.
<b>Dianthus</b> (Hardy Pinks).			
<b>Barbatus</b> (Sweet William).....	1½ ft.	All Colors	May-June
<b>Dicentra or Dielytra</b> (Bleeding Heart).....	1½ ft.	Rose	April-June
<b>Digitalis gloxiniaeflora</b> (Foxglove).....	3 ft.	All Colors	June-August
<b>Epimedium alpinum</b> (Barrenwort).....	9 in.	Crimson & Yellow	May-June
<b>Ferns, Hardy.</b> A large assortment.			
<b>Funkia undulata variegata</b> .....	1½ ft.	Variegated Foliage	July
<b>Gaillardia grandiflora</b> (Blanket Flower).....	1½ ft.	Orange	June-Nov.
<b>Eulalia gracillima</b> (Ribbon Grass).....	5 ft.	Variegated	
<b>Gypsophila paniculata</b> (Baby's Breath).....	2 ft.	White	July-August
<b>Helenium autumnale</b> (Sneeze Weed).....	4 ft.	Yellow	August-Sept.
<b>Helianthus</b> (Hardy Sunflower).....	6 ft.	Assorted	August-Oct.
<b>Heliopsis Pitcherianus</b> (False Sunflower).....	4 ft.	Golden Yellow	July-Sept.
<b>Hemerocallis flava</b> (Yellow Day Lily).....	3 ft.	Yellow	June-August
<b>Hibiscus Crimson Eye</b> (Mallow).....	5 ft.	White & Crimson	August-Sept.
<b>Iberis sempervirens</b> (Hardy Candytuft).....	10 in.	White	April-June
<b>Iris Germanica</b> (German Iris).....	3 ft.	Assorted	May-June
<b>Iris Kaempferi</b> (Japanese Iris). 20c. each.....	3 ft.	Assorted	June-July
<b>Lavandula vera</b> (Sweet Lavender).....	1½ ft.	Yellow	July-Sept.
<b>Liatris pycnostachya</b> (Gay Feather).....	5 ft.	Purple	July-Aug.
<b>Lobelia cardinalis</b> (Cardinal Flower).....	3 ft.	Scarlet	August-Oct.
<b>Lychnis Chalcedonica</b> .....	2 ft.	Scarlet	June-July
<b>Monarda didyma</b> (Horse Mint).....	3 ft.	Red	July-Aug.
<b>Myosotis palustris</b> (Forget-Me-Not).....	10 in.	Blue	May-Sept.
<b>Oenothera fruticosa</b> (Evening Primrose).....	2 ft.	Yellow	June-July
<b>Peonies Double Chinese.</b> 20c. each.....	2½ ft.	Assorted	June-July
<b>Papaver orientalis</b> (Oriental Poppy).....	2 ft.	Scarlet	June-July
<b>Pentstemon barbatus</b> (Beard Tongue).....	4 ft.	Scarlet	July-August
<b>Phlox decussata</b> (Hardy Phlox).....	2½ ft.	Assorted	June-Oct.
<b>Platyodon</b> (Balloon Flower).			
<b>grandiflorum</b> .....	2 ft.	Blue	June-Oct.
<b>album</b> .....	2 ft.	White	July-Oct.
<b>Primula Veris</b> (English Cowslip).....	9 in.	Yellow	April-June
<b>Primula Vulgaris</b> (English Primrose).....	9 in.	Yellow	April-June
<b>Pyrethrum Hybridum</b> (Single Hardy).....	2 ft.	Assorted	May-June
<b>Rudbeckia laciniata fl. pl.</b> (Golden Glow).....	1 ft.	Yellow	July-Sept.
<b>Sedum acre</b> (Golden Moss).....	3 in.	Yellow	May-July
<b>Sedum spectabilis</b> (Stonecrop).....	1½ ft.	Pink	May-July
<b>Spiraea Japonica</b> .....	2 ft.	White	June-July
<b>Stokesia cyanea</b> (Stoke's Aster).....	3½ ft.	Blue	July-Oct.
<b>Tritoma Pfitzeri</b> (Red Hot Poker).....	4 ft.	Orange	July-Sept.
<b>Veronica longifolia.</b> 25c. each.....	2 ft.	Blue	August-Sept.
<b>Vinca minor</b> (Periwinkle).....	1½ ft.	Blue	May-June
<b>Yucca filamentosa</b> (Adam's Needle).....	5 ft.	White	July-August

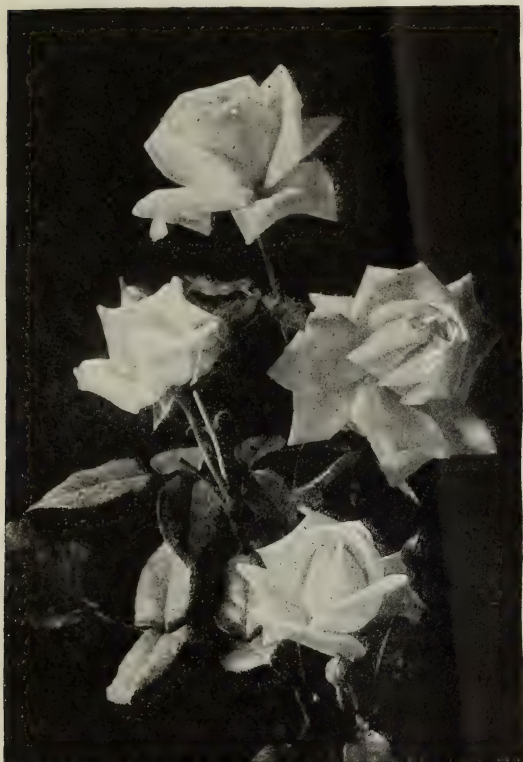
Price for any of the above, except where noted, 15c. each, \$1.50 per dozen.

FOR PERENNIAL FLOWER SEEDS, SEE PAGE 11



## NOLL'S SELECTED ROSES

We have used great care in the selection of the following list of Roses and are positive they will please all purchasers. The varieties offered are two-year-old, field-grown plants, and with ordinary care will produce the finest flowers and most fascinating colors. Customers wishing Rose plants shipped will bear in mind that the sizes we offer are not available but are shipped by express at purchaser's expense.



Rose, Kaiserin Augusta Victoria

### HYBRID PERPETUAL ROSES

- American Beauty.** Rich, rosy crimson.  
**Baron de Bonstettin.** Dark velvety crimson.  
**Captain Christy.** Delicate flesh color, rosy center.  
**Clio.** Flesh, center shaded with rosy pink.  
**Frau Karl Druschki.** The finest white rose.  
**General Jacqueminot.** Brilliant crimson scarlet.  
**Hugh Dickson.** Brilliant crimson, shaded scarlet.  
**Magna Charta.** Bright rose, very large.  
**Mrs. John Laing.** Soft pink, abundant bloomer.  
**Paul Neyron.** Deep rose, flowers very large.  
**Soleil d'Or.** (Golden Sun). Deep yellow, shaded orange. Each 35c., doz. \$3.50.  
**Ulrich Brunner.** Cherry crimson, large size.  
**Prices, each 25c., doz. \$2.50, except where noted**

### HYBRID TEA ROSES

- Clothilde Soupert.** White, center rosy, very full. Each 35c., doz. \$3.50.  
**Gruss an Teplitz.** Scarlet crimson, very free flowering.  
**Kaiserin Augusta Victoria.** White. Each 35c., doz. \$3.50.  
**Killarney.** Pink shaded white, very fragrant.

- La France.** Bright pink, very large, excellent form.  
**Mme. Caroline Testout.** Bright rose, very fragrant.  
**Franz Deegan.** Yellow, a strong grower. Each 40c., doz. \$4.00.  
**Mrs. Aaron Ward.** Indian yellow. Each 40c., doz. \$4.00.  
**Maman Cochet.** Pink, extra large. Each 35c., doz. \$3.50.  
**Safrano.** Bright apricot, free bloomer. Each 40c., doz. \$4.00.  
**White Killarney.** Very fine, of excellent form.  
**Liberty.** Brilliant velvety crimson.  
**Mevrouw G. W. van Gelderen.** (New.) Soft creamy rose; free flowering, and a very strong grower. Each 50c., doz. \$5.00.  
**Prices, each 25c., doz. \$2.50, except where noted**

### CLIMBING and TRAILING ROSES

- Crimson Rambler.** Crimson.  
**Dorothy Perkins.** Soft pink.  
**Tausendschoen.** Rosy carmine.  
**Thalia.** White rambler.  
**Aglaia.** Yellow rambler.  
**Prices, each 25c., doz. \$2.50.**

### DWARF POLYANTHA ROSES

- Anchen Muller.** Brilliant rose.  
**Catherine Zeimet.** White baby rambler.  
**Mme Norbert Levavasseur.** Baby rambler, crimson.  
**Prices, each 25c., doz. \$2.50.**

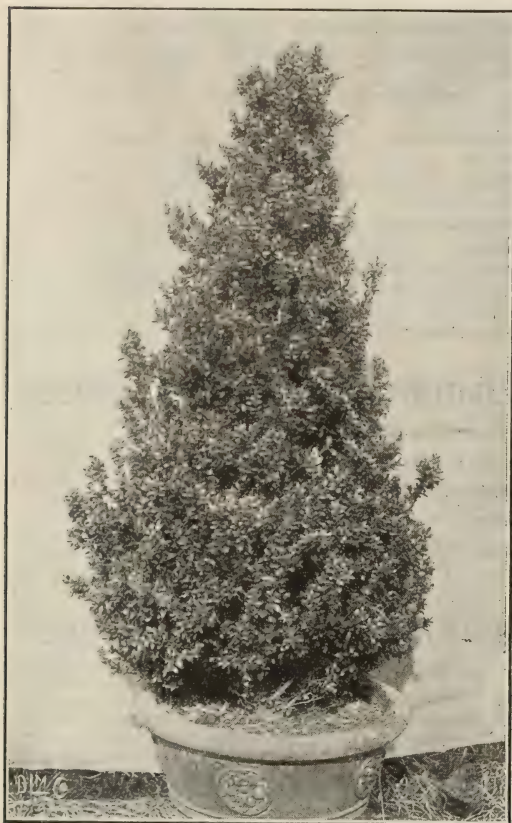


Frau Karl Druschki



# HARDY ORNAMENTAL TREES, ETC.

We import these in large quantities from Holland every year and know you cannot get better value for the money anywhere. The plants we offer are good shape, robust and vigorous. The following list comprises the most beautiful varieties and will thrive in almost any climate in this country. Shipped by express, not prepaid.



Pyramidal Box Tree

## BUXUS SEMPERVIRENS (Boxwood)

**BUSH.** These are all handsome, bushy specimens adapted for hedges. Each

16 to 18 in.....	\$0.75
18 to 20 in.....	1.00
20 to 24 in.....	1.25
24 to 28 in.....	1.50

### PYRAMIDS.

28 to 32 in.....	\$2.00
32 to 36 in.....	3.00
36 to 40 in.....	4.00

### STANDARDS.

12 to 16 in diameter.....	\$1.50
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## ABIES

### VEITCHII. (Veitch's Silver Fir)

Each	
1½ to 2 ft.....	\$1.00
2 to 2½ ft.....	1.50
2½ to 3 ft.....	2.50

### NORDMANNIANA. (Nordmann's Silver Fir)

1½ to 2 ft.....	\$2.00
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### SITCHENSIS.

1½ to 2 ft.....	\$1.00
2 to 2½ ft.....	1.50

### PICEA PUNGENS. (Koster's Blue Spruce)

Each

1 to 1½ ft.....	\$1.00
1½ to 2 ft.....	2.00
2 to 2½ ft.....	3.00
2½ to 3 ft.....	3.50

## THE MOST DESIRABLE

## FLOWERING SHRUBS

Each

<b>Andromeda Floribunda.</b> Lily of the Valley tree.....	\$1.50
<b>Althea, Rose of Sharon.</b> Assorted.....	.35
<b>Azalea Mollis</b> .....	.50
<b>Berberis Thunbergii.</b> A grand shrub for hedges.....	.35
<b>Calicanthus floridus.</b> (Strawberry shrub).....	.25
<b>Cytisus laburnum.</b> (Golden Chain).....	.75
<b>Crataegus.</b> (Hawthorn).....	.75
<b>Deutzia gracilis.</b> Dwarf, compact habit.....	.25
<b>Forsythia Fortunei.</b> (Golden Bell).....	.35
<b>Hydrangea paniculata.</b> Bush form.....	.35
<b>Hydrangea paniculata.</b> Standard or tree form.....	.75
<b>Kalmia latifolia.</b> (Mountain Laurel).....	.75
<b>Magnolia Soulangeana</b> .....	2.00
<b>Prunus triloba.</b> (Flowering Plum).....	.50
<b>Philadelphus coronarius.</b> (Mock Orange).....	.25
<b>Viburnum Opulus.</b> (Snowball) Bush form.....	.35
<b>Viburnum Opulus.</b> Standard or tree form.....	.75
<b>Viburnum plicatum</b> .....	.35
<b>Weigelia, Eva Rathke</b> .....	.35

## HARDY CLIMBERS

Each

<b>Aristolochia Sipho.</b> (Dutchman's Pipe).....	\$0.50
<b>Bignonia grandiflora.</b> (Trumpet flower).....	.50
<b>Clematis Jackmanni.</b> Dark purple.....	.50
<b>Clematis, Duchess of Edinburgh.</b> Double white.....	.50
<b>Clematis Henryi.</b> Large, creamy white.....	.50
<b>Clematis Paniculata.</b> (Virgin's Bower). White.....	.25
<b>Wistaria Chinensis</b> .....	.50



Hydrangea Paniculata



# VEGETABLE SEEDS FOR FALL SOWING

## BEANS

**Black Valentine.** An old variety that has again sprung into popular favor on account of its earliness, prolificness and good shipping qualities. Pkt. 10c., pt. 20c., qt. 35c., pk. \$2.00, bus. \$6.00.

**Bountiful.** Very early, free from strings, flat pod; a very handsome and attractive variety. Pkt. 10c., pt. 20c., qt. 35c., pk. \$2.00, bus. \$6.00.

**Extra Early Round-Pod Red Valentine.** Probably one of the oldest of all the green-podded Beans and is today as largely planted as any Bean on the market, on account of its most excellent eating qualities and its earliness. Pkt. 10c., pt. 15c., qt. 25c., pk. \$1.50, bus. \$5.00.

**Refugee, or 1000 to 1.** The popular canning and shipping sort. This Bean is one of the most prolific of all the late green-podded varieties. Pkt. 10c., pt. 20c., qt. 35c., pk. \$2.00, bus. \$6.50.

## BEET

**Crosby's Improved Egyptian.** A selection from the well-known Egyptian variety, and is an excellent early sort, dark red in color. Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 55c., lb. \$1.75.

**Detroit Dark Red.** A fine strain of turnip-shaped Beet. Valuable for its remarkable uniformity and smoothness; size medium; flesh fine grained, tender and remaining so for a long time; admirable for Fall use. The roots are "real blood" color. Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 55c., lb. \$1.75.

## CARROT

**Chantenay Half-Long.** One of the handsomest of all the Carrots, smooth, and of a rich orange color. Pkt. 10c., oz. 25c.,  $\frac{1}{4}$  lb. 75c., lb. \$2.50.

**New York Market.** Type is half long, stump rooted, similar to the Danvers. It is a very heavy yielder. Pkt. 10c., oz. 25c.,  $\frac{1}{4}$  lb. 80c., lb. \$2.75.

## CORN SALAD

**Broad-leaved (Large-seeded).** Used during the Winter and Spring months as a substitute for Lettuce; can also be cooked like Spinach. Pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 20c., lb. 60c.

## KALE, OR BORECOLE

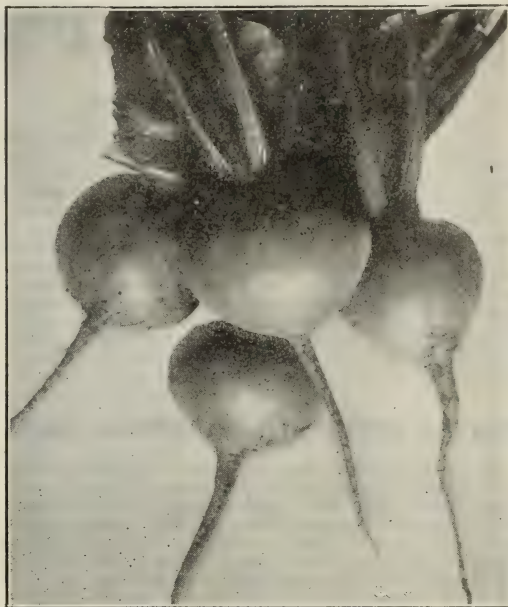
**Early Blue Curled, Dwarf Siberian.** A beautiful, curled and crimped sort, of strong, vigorous habit, perfectly hardy, dark green color, and very attractive appearance. Pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 25c., lb. 75c.

**Dwarf Green Curled Scotch.** Hardy and will remain over Winter in any place where the temperature does not go below zero. Habit dwarf and spreading; 18 in. in height. Leaves bright green and beautifully curled. Pkt. 5c., oz. 15c.,  $\frac{1}{4}$  lb. 35c., lb. \$1.00.

## LETTUCE

**Big Boston.** Probably better known and more largely planted than any other variety. Very solid with broad leaves; the best for outdoor or for forcing. Color light green, very attractive. Pkt. 10c., oz. 25c.,  $\frac{1}{4}$  lb. 70c., lb. \$2.00.

**Grand Rapids.** This loose-leaf variety is used very extensively as a forcing sort, and we doubt if a better one can be had. Pkt. 5c., oz. 20c.,  $\frac{1}{4}$  lb. 55c., lb. \$1.75.



Crosby's Improved Egyptian Beet

## RADISH

**Celestial, or Chinese Winter.** The best of the white Winter varieties. Grows about 1 foot long; flesh pure white; quality unsurpassed. Pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 25c., lb. 90c.

**Early Scarlet Globe.** A very desirable variety for open ground or for forcing. It is nearly olive shaped, bright scarlet color, of fine quality. Pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 25c., lb. 75c.

**French Breakfast.** Oblong in shape, bright scarlet color, except near tip, which is pure white. Pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 25c., lb. 75c.

**Long Black Spanish.** A very late variety; grows to large size; skin black; flesh is very firm, and of good quality; it is a very popular market variety. Pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 20c., lb. 60c.

**Scarlet Turnip White Tipped.** Noll's strain. Size medium, bright scarlet color, with a distinct white tip. Matures early, quality the best. Pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 20c., lb. 60c.

## SPINACH

**Belgium Evergreen Long Standing.** Large, dark green leaves; grows close to ground; one of the best for late planting. Pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 15c., lb. 45c.

**Bloomsdale, or Norfolk Savoy-leaved.** The leaves are dark green; perfectly hardy, good flavor. Pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 15c., lb. 35c.

## TURNIP

**Purple-top White Globe.** Popular variety for home use. Flesh white and of excellent quality; shape is nearly a globe. Pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 25c., lb. 70c.

**Purple-Top Strap-Leaved.** Flesh is white, fine grained and good quality. An excellent keeper for Winter use. Pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 20c., lb. 60c.

**Yellow Globe.** Flesh yellow, round, medium in size. Fine grained; very tender. Pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 25c., lb. 75c.



# HIGH GRADE RELIABLE FERTILIZERS AND INSECTICIDES

## BONE MEAL (Pure Ground)

One of the most desirable fertilizers produced for flowering plants, shrubbery, Palms, Ferns, etc. While not so quick in action as some fertilizers, it is very lasting, being very beneficial. Bone Meal contains the essential requisites of nitrogen, as well as phosphoric acid, which are absolutely necessary in the soil for the high developing of plant life. Can be used for both outdoor plants and pot plants. When applying, mix thoroughly with the soil. Never let the bone meal come in contact with the roots of the plant. For pot plants use about a tablespoonful to a 6-inch pot of soil, smaller or larger sizes in proportion. Price, 5-lb. pkg. 25c., 10 lbs. 45c., 25 lbs. 85c., 50 lbs. \$1.50, 100 lbs. \$2.75, ton (2000 lbs.) \$42.00.

## CANADA UNLEACHED HARDWOOD ASHES

Used as a top-dressing for lawns and grass lands, also for fruits of all kinds. It is especially good for Strawberries, Peaches, Apples, etc. Can be mixed with even quantities of bone meal for fertilizing grass plots, etc. Apply about 1000 lbs. to the acre. 5 lbs. 25c., 10 lbs. 35c., 25 lbs. 60c., 50 lbs. \$1.00, 100 lbs. \$1.75, 500 lbs. \$7.50, ton (2000 lbs.) \$24.00.

## THE EXCELSIOR PLANT FOOD

Is the most concentrated, the quickest acting and the only complete and evenly balanced odorless fertilizer in existence. Cheap fertilizers are a poor investment as their percentage of available plant food is small and of uncertain action, and are, for the most part, the by-product of the packing houses. They are imperfectly balanced, thereby causing irregular and imperfect growth. The United States Department of Agriculture advises the use of concentrated fertilizers, such as Excelsior Plant Food rather than cheap fertilizers of uncertain origin.

Excelsior Plant Food contains the three elements essential to plant life, nitrogen, phosphoric acid, and potash in just the right proportion to enable each element to perform its proper function. Their uniform action seems to energize the capacity of plant or tree for developing growth, seed, fruit and flowers. Price, ½-lb. pkg., making 10 gals., postpaid, 30c.; 1-lb. pkg., making 20 gals., postpaid, 50c.

## IMPORTED SCOTCH SOFT COAL SOOT

Prevents insect ravages and also acts as a stimulating fertilizer. Used in onion drills, radish beds, cabbage grounds, etc., it checks the attacks of grubs, cut-worms, etc. When scattered lightly, as a top-dressing around plants, it drives away insects that hide in the ground by day and lay their eggs near the roots. Supplied in 112 lb. bags only, price \$4.00.

## MAK-GRO ODORLESS PLANT FOOD

Correctly proportioned combinations of the essential plant food elements, Nitrogen, Phosphoric Acid and Potash, all in soluble form, and held together in a granulated marl and fibre basis.

These products are scientifically correct fertilizers, made from the highest grade chemicals, and being absolutely odorless and in granular form, can be conveniently used anywhere within the home, and in a dry place will keep indefinitely.

When mixed with the soil, the moisture slowly dissolves the chemicals so that the plants are given proper

nourishment uninterruptedly throughout the entire growing season, and without further application of the plant food during that period. 1-lb. cans 25c. each, 5-lb. bag, \$1.00.

## SHEEP MANURE

This has become a very popular article for fertilizing purposes. Fine for house plants, also outdoor plants. Acts quickly, makes plants vigorous, and blooms richer in color. Can be applied by diluting in water or mixed with soil. The article we offer is as free from inert matter as is possible. 5 lbs. 25c., 10 lbs. 40c., 25 lbs. 90c., 50 lbs. \$1.50, 100 lbs. \$2.50, 500 lbs. \$11.25, ton (2000 lbs.) \$40.00.

## STERLINGWORTH

Concentrated Plant Food Tablets

An odorless food for potted plants

Makes plants grow and bloom luxuriantly and drives troublesome insects from the soil. Takes the place of liquid manure. Explicit directions on each package.

10c. package contains 30 tablets

25c. package contains 100 tablets

50c. package contains 250 tablets

*Any of the above sent postpaid upon receipt of price*

**APHINE.** This is a powerful insecticide but does not affect the most tender plants, fruits or vegetables. It is a combination of ethereal oils and nicotine in soluble form, which is easily diluted with water. It is applied as a spray or wash. It will exterminate green and black fly, thrips, slugs, mealy bug, red spider, ants, etc. ¼ pt. 25c., ½ pt. 40c., pt. 65c., qt. \$1.00.

**APHIS PUNK.** This is a tobacco paper saturated with nicotine and is used for fumigating greenhouses and conservatories. Box of 12 sheets, 60c.

**FIR TREE OIL SOAP.** A popular insecticide for house and conservatory plants. Put up in soap form, which is easily dissolved in hot water. Apply when solution has become cool. ½-lb. cake 25c., 2-lb. cake 75c.

**LEMON OIL COMPANY'S STANDARD INSECTICIDE.** This has become one of the most popular articles for greenhouse or conservatory spraying. Has a very agreeable odor. Kills thrip, black and green fly, mealy bug, red spider, blight, etc. ½ pt. 25c., pt. 40c., qt. 75c.

**NIKOTEEN.** A very powerful insecticide, one pint of this liquid representing the efficiency of 200 pounds of Tobacco stems. Used extensively by florists for spraying in greenhouses. Also used for vaporizing. Pt. bot. \$1.50.

**NICOTICIDE.** An extract of tobacco used in fumigation. The required quantity is placed in a tin dish and evaporated by a spirit lamp, placed underneath. An effectual remedy for insects in the greenhouse, window garden or frames. Price, 4-oz. can 70c., ½ pt. \$1.25, pt. \$2.50, qt. \$4.50, ½ gal. \$8.25, gal. \$15.00.

**TOBACCO DUST.** The best of the Tobacco Dusts for dusting or fumigating. Lb. 10c., 5 lbs. 40c., 25 lbs. \$1.25, 50 lbs. \$2.25, 100 lbs. \$4.00.

**TOBACCO STEMS.** Used for fumigating and under benches in greenhouses. Bale of 100 lbs. \$1.50.



# TOOLS AND IMPLEMENTS

## For the Lawn, Garden, Farm, Etc.

<b>DIBBLES.</b>	Each					<b>PLANT SUPPORTS.</b>	Each
All Iron.....	\$0.35					Igoe Bros. Wire. Per doz., \$1.50.	
Wood Handle. Brass point.....	.75					<b>PRUNERS.</b>	
Wood Handle. Iron point, large size.....	.40					Water's Patent Tree. 6 ft. 60c., 8 ft. 80c.,	
Wood Handle. Iron point, small size.....	.30					10 ft. \$1.00, 12 ft.....	1.20
<b>FORKS.</b>						<b>RAFFIA.</b>	
Long Handle. Light weight, 4 tine manure...	.75					Natural Colored. For tying. Per lb. 20c.,	
Short Handle, D. Heavy weight, 4 tine, manure.....	1.10					per 100 lbs. \$15.00.	
Short Handle, D. Heavy weight, 5 tine, manure.....	1.35					<b>RAKES.</b>	
Short Handle, D. Heavy weight, 4 tine, spading.....	1.10					Steel Garden. 12 teeth 50c., 14 teeth 55c.,	
Short Handle, D. Heavy weight, 5 tine, spading.....	1.35					16 teeth 65c., 18 teeth.....	.75
<b>FRUIT PICKERS.</b>						Wire, Lawn. 20 teeth.....	.50
Wire. Galvanized.....	.35					Wood, Auto or Self Cleaning.....	.75
<b>GARDEN LINES.</b>						Wood, Hay. 10 teeth.....	.35
Extra Strong. Braided, coils of 100 feet.....	.50					Wood, Garden. 12 teeth.....	.40
<b>GARDEN LINE REELS.</b>						Wood, Lawn. 24 teeth.....	.50
Large Size. Extra strong.....	.85					<b>RUBBER PLANT SPRINKLERS.</b>	
Columbia. New.....	1.00					Straight Neck. 8 oz.....	.90
<b>GLAZING POINTS.</b>						Curved Neck. 10 oz.....	1.00
Van Reyper's Perfection No. 2, Per 1000	.65					<b>SAWS, PRUNING.</b>	
<b>HOSE, RUBBER.</b>						Double Edge. 20-in. blade.....	1.00
Planter's High Grade. 5 ply, 25 ft. lengths						Single Edge. 20-in. blade.....	1.00
\$4.00, 50 ft. lengths, \$7.50., coupled at both ends.						Single Edge. Bow shaped.....	.75
Yankee. One of the best brands of hose on the market. Quality of the finest. Will last indefinitely. Sold by the foot, 20c. per foot, couplings extra.						Little Giant. With pruner, plain.....	1.75
<b>HOSE CLAMPS.</b>						<b>SHEARS.</b>	
Galvanized. Adjustable.....Doz. 50c.	.05					Hedge. 8 in. \$1.15, 9 in. \$1.40, 10 in.....	1.65
<b>HOSE COUPLINGS.</b>						Hedge with notch. 25c. extra for each size above listed.	
Brass. For 3/4-in. hose.....Doz. \$1.50	.15					Lopping. Rhodes' patent.....	3.50
<b>HOSE MENDERS.</b>						Lopping. Ordinary.....	.60
Cooper's Patent. 3/4-in.....Doz. \$1.00	.10					Pruning. Malleable Iron Handle. Steel blade.	.35
Cooper's Patent. 1 in.....Doz. \$1.50	.15					All steel. California pattern.....	.50
<b>HOSE NOZZLES.</b>						Solid steel throughout.....	1.25
"The Gem." Graduating, spray, or solid stream.....	.50					<b>SHOVELS.</b>	
Solid Stream. With stop cock.....	.50					Long Handle. Steel, pointed.....	.75
<b>HOSE WASHERS.</b>						Short Handle D. Steel, pointed.....	.75
Rubber. 3/4-in.....Per box of 12	.10					Short Handle D. Steel, square 75c., \$1.00 and 1.10	
<b>HOSE REELS.</b>						<b>SOD, or TURF EDGERS.</b>	
All Iron.....	2.75					English solid steel.....	1.50
<b>HOES, DRAW, or FIELD.</b>						Gladiator.....	.85
Standard Pattern. 4 in. 40c., 5 in. 40c., 6 in. 50c., 7 in. 50c., 8 in. ....	.50					Half Moon.....	.50
Warren or Heart Shaped. 6 in. 65c., 7 in. ....	.75					<b>SPADES.</b>	
Celery. Triangle shaped, short handle.....	.30					Long Handle. Steel.....	.75
English Push, or Scuffle. 4 in. 40c., 5 in. 50c., 6 in. 60c., 7 in. 70c., 8 in. 80c., 9 in. 90c., 10 in. \$1.00, 12 in. \$1.20. Not handled.					Short Handle D. Steel.....	.75c. and 1.00	
Handles to fit same, 6 ft. long.....	.30					Short Handle D. Steel Socket.....	1.35
<b>HOTBED MATS.</b>						<b>SPRAYERS.</b>	
Size 76 x 76 inches. Burlap on both sides. Doz. \$15.00, each \$1.50.						All Brass. Continuous spray.....	1.25
<b>LABELS, WOOD, Unpainted.</b>						Galvanized. Continuous spray.....	.90
Pot. 4 in., per 1000, 60c., 5 in. 80c., 6 in. \$1.00; any of these sizes per 100, 10c.						Tin. Continuous spray.....	.75
Garden. 8 in., per 100, 40c., 10 in., per 100, 60c., 12 in., per 100, 75c.						Tin. Vaporizing, large.....	.50
Tree. Copper wired, per 100, 20c., per 1000, \$1.50.						Tin. Vaporizing, small.....	.35
<b>MOLE TRAPS.</b>						Auto Sprayer No. 1B. Brass tank.....	7.25
Reddicks. The best trap on the market. Easily set, sure catch.....	1.00					Auto Sprayer No. 1D. Galvanized tank.....	5.00
<b>PLANT STAKES.</b>						Standard Spray Pump. Solid brass.....	4.50
Hard Wood. Painted green, tops white.						<b>THERMOMETERS.</b>	
Each Doz. Each Doz.						Hot Bed. Best grade.....	1.75
2 ft. .... \$0.05 \$0.50 3 ft. .... \$0.07 \$0.75						Good Quality.....	1.25
4 ft. .... .09 1.00 5 ft. .... .11 1.20						<b>TUBS.</b> Wood Plant, New York Style.	
6 ft. .... .14 1.40						Top Bottom Depth	
						Diameter Diameter Finished Each	
						No. 1 12 in. 9 3/4 in. 10 3/4 in. ....	\$1.15
						No. 2 13 in. 10 3/4 in. 12 3/4 in. ....	1.50
						No. 3 14 1/2 in. 14 3/4 in. 14 3/4 in. ....	1.85
						No. 3 1/2 16 1/2 in. 15 3/4 in. 15 3/4 in. ....	2.45
						No. 4 19 7-16 16 5/8 in. 16 5/8 in. ....	2.65
						No. 5 22 7-16 18 1/2 in. 18 1/2 in. ....	3.45
						<b>TREE SCRAPPERS.</b>	
						Triangle Shaped. Short handle.....	.50
						<b>TROWELS.</b> Solid steel.	
						English Pattern. Solid shank.....	.40
						English Pattern. Concave shank.....	.25
						English Pattern. Concave shank.....	.15
						Transplanting. Concave shank.....	.15
						Ordinary Trowel. Concave shank.....	.10
						<b>WHEELBARROWS.</b> With expanding sides....	6.00



# POULTRY SUPPLIES

We handle only the highest grades of poultry supplies and sell at prices as low as is consistent with quality. In our line of mixed grains, we have exercised great care to handle only the best of its kind, free from mill refuse and siftings. We are glad at all times to submit samples and prices on small or large amounts of our mixed grains. Although the market changes on grain are very frequent, we have quoted prices on 25, 50 and 100 lb. lots of our grain feeds listed below which will hold good for the balance of the year. Prices quoted on all poultry supplies are for goods by express or freight, charges collect, and at purchaser's risk, unless otherwise quoted. (*For Free Local Delivery, See Below.*)

## "GLOBE" SCRATCH FOOD

We consider this one of the finest grain mixtures on the market. Compounded from good, sweet and clean grain only; a perfectly balanced ration, suitable for feeding the year around. 5 lbs. 20c., 10 lbs. 30c., 25 lbs. 60c., 50 lbs. \$1.15, 100 lbs. \$2.25.

## "CRESCENT" CHICK FOOD

A complete grain feed for chicks, which can be fed until the chicks are about 8 weeks old. Thoroughly balanced, good, sweet, and clean grain. 5 lbs. 20c., 10 lbs. 35c., 25 lbs. 75c., 50 lbs. \$1.40, 100 lbs. \$2.70.

## "KING" PIGEON FOOD

A mixed grain ration, especially adapted for squab fattening. This mixture has given much satisfaction among pigeon fanciers, who recommend it highly. 5 lbs. 25c., 10 lbs. 40c., 25 lbs. 75c., 50 lbs. \$1.30, 100 lbs. \$2.50.

## "COLONIAL" DEVELOPING FOOD

A mixture of grain a trifle larger than the Crescent Chick Food, to be fed to growing chicks after they are 8 weeks old. Contains such ingredients as are easily digested and flesh producing. A fine mixture in every particular. 5 lbs. 20c., 10 lbs. 35c., 25 lbs. 70c., 50 lbs. \$1.20, 100 lbs. \$2.35.

## "QUEEN" POULTRY MASH

A selected ground feed for fowls of all sizes, especially laying hens. Contains choice ground grains, well balanced. Will help a great deal to produce eggs when needed most. 5 lbs. 20c., 10 lbs. 30c., 25 lbs. 60c., 50 lbs. \$1.15, 100 lbs. \$2.25.

**GRIT AND SHELL HOPPERS.** 3 compartments, 75c. each.

**"HUB" FEEDERS.** Small size, 35c., large size, 50c.

**NORWICH AUTOMATIC FEEDERS.** \$2.50 to \$5.00 each.

**PEERLESS FOUNTAINS.** 1 gal. 65c., 2 gal. 90c.

**PEERLESS BROODER FOUNTAINS.** 35c. each.

## ALFALFA (Mealed)

One of the best substitutes for green food during the Winter. Highly nutritious. 5 lbs. 25c., 10 lbs. 40c.

## BEEF SCRAPS

If fed judiciously, increases egg production. The best substitute for green bone. Can be fed during the Summer as well as the Winter months. 5 lbs. 25c., 10 lbs. 40c., 25 lbs. 80c., 50 lbs. \$1.55, 100 lbs. \$3.00.

## BONE (Coarse)

Increases egg production besides making flesh; also can be used as grit. 5 lbs. 25c., 10 lbs. 40c., 25 lbs. 75c., 50 lbs. \$1.30, 100 lbs. \$2.50.

## BONE (Fine)

Used in connection with mash food. Makes flesh and bone in young chicks, also helps to increase egg production in large fowls. 5 lbs. 25c., 10 lbs. 40c., 25 lbs. 75c., 50 lbs. \$1.30, 100 lbs. \$2.50.

## CHARCOAL

Coarse or fine. Very beneficial to poultry. Should be in the hopper at all times. 1 lb. 10c., 5 lbs. 25c., 10 lbs. 40c., 25 lbs. 75c., 100 lbs. \$2.50.

## GRIT

We carry grit in four sizes, Nos. 1, 2, 3 and 4. No. 1 for turkeys and ducks. No. 2 for chickens. No. 3 for pigeons. No. 4 for small chicks. 5 lbs. 10c., 10 lbs. 15c., 25 lbs. 25c., 50 lbs. 40c., 100 lbs. 75c.

## OYSTER SHELL

Our oyster shells are noted for their uniformity and cleanliness. No clam shells in this brand. Strictly oyster shells. 5 lbs. 10c., 10 lbs. 15c., 25 lbs. 25c., 50 lbs. 40c., 100 lbs. 75c.

**"SANITARY STONE FOUNTAINS."** 1 qt. 25c., 2 qts. 40c., 4 qts. 50c., 8 qts. 75c.

**GALVANIZED IRON FOUNTAINS.** Small size, 18c.; medium, 25c.; large, 35c.

**WIRE HEN'S-NESTS.** 15c. each, per doz. \$1.50.

**CARD-BOARD EGG BOXES.** 1 doz. size. 15c. per doz., 75c. per 100, \$7.00 per 1000.

## FREE DELIVERY FOR NEWARK AND SUBURBS, THE ORANGES AND VICINITY

We deliver by our own wagons any goods bought from this catalogue as follows:

**MONDAY**—Clinton Hill section, Irvington, Hill-ton, South Orange, Vailsburgh.

**TUESDAY**—East Orange, Orange, West Orange.

**WEDNESDAY**—Down Neck, Harrison, Kearny, Arlington.

**THURSDAY**—Woodside, Belleville, Silver Lake, Bloomfield.

**FRIDAY**—Clinton Hill section, Irvington, Vailsburgh, East Orange, Orange, West Orange.

**SATURDAY**—Down Neck, Woodside, Roseville.



# THE BANTA INCUBATORS, ETC.

## THE BANTA INCUBATOR

RELIABLE—SAFE

Bear Fire Insurance Underwriters' Exchange Label

**Some Facts**—The Banta has a heater that can be taken apart and cleaned. It is the best insulated and best made of any heater ever put on an incubator and is the only one that has the cleanable feature. The cloth diaphragms are all removable for cleaning and are stretched on mortised and tenoned frames. The regulator is a patented double 4-inch wafer with pull-down lever and adjusting screw, hung on one bearing only. They have a large nursery under the egg trays, with glass doors and chick drawers so that chicks can be taken from the machine without in any way interfering with other eggs that are hatching. No difference what the size, all have the same improvements and are exactly alike in every particular, excepting size. The egg trays are made with good, solid frames, the bottoms covered with wire cloth. An extra tray comes with each machine for turning the eggs.

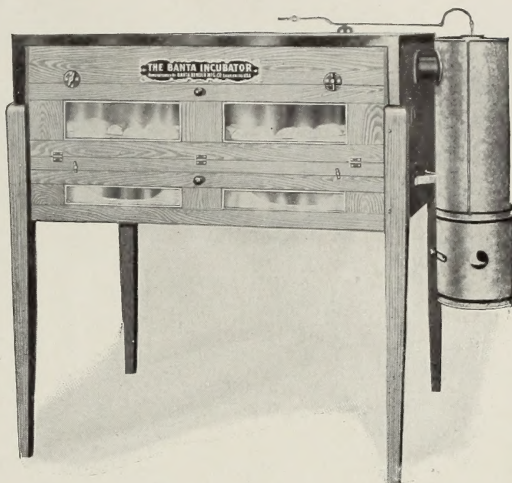
The Banta is thoroughly insulated; the walls have five thicknesses of lumber and insulating boards with dead air space. The top has thirteen thicknesses of packings and lumber. Not the slightest amount of heat escapes through the walls or tops of the machine.

The heating system of the Banta Hot Air Machine is a combination of the two principles of heating—the radiation of warm air and the diffusion of warm air. The doors on the Banta will always shut airtight, as they are arranged so they wedge airtight against a jamb completely around the door whenever they are closed. The regulator is automatic. The ventilation is automatic and no moisture need be added, except in exceedingly dry places.

In short, Banta Incubators are simple in operation and sure in results.

### Prices of Banta Hot Air Machines

No. 75.....75 Egg Capacity.....	\$12.50
No. 100....100 “ “ .....	15.50
No. 150....150 “ “ .....	21.00
No. 260....260 “ “ .....	30.00



## BANTA OUTDOOR BROODERS

These brooders are built on up-to-date plans. The cut of this brooder will show you how they can be opened for airing and cleaning purposes. Accessible from all points. The heater is under the floor, thereby allowing more space in the compartments, of which there are three. Heated by a perfectly safe Brooder Lamp. The roof is protected by a very good quality of tin. Galvanized iron feed trough, drinking fountain, thermometer, hover and every attachment necessary come with each brooder.

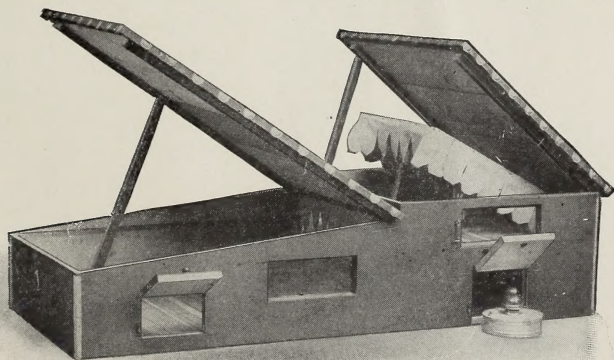
These brooders are designed for service and are as good and practical as the manufacturers know how to build them. They have been building them for 17 years. We offer them in two sizes.

No. 6. Capacity 100 chicks.....	\$11.00
No. 7. “ 200 “ .....	13.00

## BANTA NEW MODEL BROODER

### No. 5

This brooder while an indoor brooder can be used outdoors also, if it is placed under a shelter. It has a brooding floor, brooder chamber and hover. Has a glass in the top so the chickens can be seen from the top without opening. This brooder is well made of the best materials and will please every purchaser. Complete, ready for operating. Capacity, 200 chicks. Price \$10.50.



Orders received before 10:00 A. M. at our New York branch, 29 Hudson Terminal Concourse, will be ready for delivery at 4:00 P. M. or will be sent direct from Newark, N. J.



# ANNOUNCEMENT



Noll's Seed Store, Newark, N. J.

Mr. Alexander Forbes, for twenty-five years General Manager for Peter Henderson & Co., New York, has purchased a controlling interest in the old established seed business of J. F. Noll & Co., 115 Mulberry St., Newark, N. J., where he will be pleased to serve his old friends and customers. Also store at 29 Hudson Terminal Concourse, Cortlandt, Church and Fulton Streets, New York.

## J. F. Noll & Company

INC.

### Seedsman

(Alexander Forbes, Pres't)

Dealers in Seeds, Plants, Bulbs, Garden Implements, Poultry Supplies, etc.

115 Mulberry St.,  
Newark, N. J.

NEW YORK STORE  
29 Hudson Terminal  
Concourse, Cortlandt,  
Fulton & Church Sts.